Ray Wong

South County Regional Wastewater Authority

Report for

Effluent Total Dissolved Solids Investigation

April 1995

MONTGOMERY WATSON

MONTGOMERY WATSON

April 27, 1995

Mr. John Mijares
Regional Water Quality Control Board-
Central Coast Region
81 Higuera Street
San Luis Obispo, CA 93401-5414

SUBJECT: Effluent TDS Investigation - South County Regional Wastewater Authority FILE NO.: 1443.0030/6.13

Dear Mr. Mijares:

On behalf of the South County Regional Wastewater Authority (Authority), Montgomery Watson has prepared this report titled, "Effluent Total Dissolved Solids Investigation," in compliance with the Regional Board letter, dated, November 16, 1994. The investigation included an extensive field sampling of several commercial, industrial and residential TDS discharges located in the Authority's service area. The data analysis included an overview of the overall groundwater TDS impacts from both the municipal effluent and the Gilroy Food Processor Wastewater Facility (FPWF). Based upon the data analysis, prominent TDS dischargers were identified as potential candidates for Best Management Practices (BMPs) aimed at reducing groundwater TDS impacts.

Significant commercial TDS discharges identified from this investigation consisted of restaurants/food handling facilities and laundromats. Significant industrial TDS dischargers included the following businesses: water softening, seed coat manufacturing, cardboard container manufacturing and commercial laundry. Review of the residential consumptive TDS loads indicated that self-regenerative water softeners could be a significant TDS contributor. The water softener impact was based upon the assumption that 15 percent of the service-area population utilized self-regenerative water softeners. In addition, the tomato process wastewater from Gilroy Canning is also a prominent source of TDS loads to the groundwater basin.

The historical municipal consumptive TDS concentration frequently exceeds the Regional Board's current consumptive limit of 370 mg/L; however, the consumptive concentration consistently meets the Regional Board's previous consumptive limit of 425 mg/L. With the implementation of the various BMPs proposed in this report, some reduction in the overall municipal TDS loads can be expected. To achieve a 5 percent reduction in the overall municipal TDS load, a combination of TDS reductions in the consumptive commercial/industrial (30 percent) and residential water softener (45 percent) discharges is required. At this time, commercial/industrial BMPs will include focused process audits, etc. Residential TDS reductions will be achieved through public education campaigns, such as the production of information brochures on water softeners. The effect of TDS reduction BMPs on achieving compliance with the current consumptive limit of 370 mg/L is unknown. Further, it should be recognized that recent water conservation practices such as low flow showerheads, toilets, etc., result in increased consumptive TDS concentrations. Therefore, to ensure consistent permit compliance, the Authority requests the Regional Board revert to the previous consumptive TDS limit of 425 mg/L.

In the meantime, the Authority will continue to emphasize TDS reduction through source control and pretreatment efforts. Further, discharges from the Gilroy FPWF will be audited to identify TDS reduction methods.

If you have any questions, please telephone me at 510 274 2277.

Very truly yours,

Ramesh Babu
Project Engineer

cc:
Jay Baksa, City of Gilroy
Rick Smelser, City of Gilroy
Al Slechta, OMI-Gilroy
David Lindow, Montgomery Watson

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

EFFLUENT TOTAL DISSOLVED SOLIDS INVESTIGATION

April 1995

Prepared by

Montgomery Watson

Walnut Creek, California

EFFLUENT TOTAL DISSOLVED SOLIDS INVESTIGATION

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

CHAPTER 1 - INTRODUCTION 1-1

BACKGROUND 1-1
  Study Background 1-1
  Findings and Conclusions 1-1
    Consumptive Use Limits 1-2
    Groundwater TDS Concentration 1-2
    Commercial and Industrial TDS Contributions 1-2
    Food Process TDS Contributions 1-2
    Residential Water Softening Contributions 1-3
    Water Softening Ordinances 1-3
    WWTP Survey 1-3
  TDS Study Response and Actions 1-3
REPORT ORGANIZATION 1-4
ACKNOWLEDGMENT 1-4
ABBREVIATIONS 1-5

CHAPTER 2 - TDS INVESTIGATION 2-1

DESCRIPTION OF TDS INVESTIGATION 2-1
  Gilroy-Morgan Hill WWTP Service-area Description 2-1
  Description of Monitoring Program 2-1
    Sampling Locations 2-1
    Field Sampling 2-2
    Assumptions 2-2
DATA ANALYSIS 2-2
  Municipal Effluent TDS 2-3
  Commercial Facilities 2-3
    Industrial 2-4
    Residential 2-5
    Septage 2-7
  Food Process Wastewater Facility 2-7

CHAPTER 3 - BEST MANAGEMENT PRACTICES 3-1

PROMINENT TDS DISCHARGES 3-1
AVAILABLE TDS BMPs 3-2
    Gilroy CCD 3-2
    Water Quality Protection Guidelines for
    Food Handling Facilities (Palo Alto Regional
    Water Quality Control Plant) 3-2
    Recipes for Safe Household Cleaning Alternatives
    (Sunnyvale Water Pollution Control Plant) 3-3
    Pollution Prevention Checklists 3-3
    The City of Gilroy's Chemical Control Division (CCD) 3-3

BMP IMPLEMENTATION PLAN 3-3
IMPACT OF BMPS AND WATER CONSERVATION ON TDS REDUCTION 3-4
    Preventing Pollution Through Efficient Water Use (EPA) 3-5

CHAPTER 4 - FINDINGS AND RECOMMENDATIONS 4-1

INVESTIGATION FINDINGS 4-1
RECOMMENDATIONS 4-3

CHAPTER 5 - REFERENCES 5-1

APPENDICES

Appendix A - TDS Work Plan, April 14, 1993

Appendix B - Total Dissolved Solids Study, July 1994, prepared by Montgomery Watson
Regional Board letter dated, September 6, 1994

Appendix C - TDS Investigation proposal, November 1, 1994
Regional Board letter dated, November 16, 1994
Digital Conductivity and TDS Meter Specifications

Appendix D - TDS Investigation Data Summary, Table D-1
TDS Investigation Flow Summary, Table D-2
TDS Investigation Sampling Data Sheets

Appendix E - Water Softener Information

Appendix F - Best Management Practices

LIST OF TABLES

TABLE — FOLLOWS PAGE NO.

2-1 TDS Monitoring Program Sampling Locations 2-2
2-2 TDS Survey Data Summary 2-2
2-3 TDS Survey Data Summary by Facility Category and Community 2-3
2-4 Summary of Flow Data 2-3
2-5 Estimate of TDS Source Contributions 2-3
2-6 TDS Concentration Range 2-4
2-7 Summary of Industrial TDS Concentrations 2-4
2-8 Estimate of Residential TDS Load 2-6
3-1 Summary of Effluent Consumptive TDS Data 3-4

LIST OF FIGURES

FIGURE — FOLLOWS PAGE NO.

2-1 Site Plan 2-1
2-2 Gilroy TDS Sampling Locations 2-2
2-3 Morgan Hill TDS Sampling Locations 2-2
2-4 Municipal Effluent TDS Loadings 2-3
2-5 Summary of Commercial Dischargers TDS Concentrations and Loadings 2-3
2-6 Summary of TDS Concentration Range by Commercial Category 2-4
2-7 Summary of Industrial TDS Concentrations and Loadings 2-4
2-8 Location of Residential Sampling Locations in Gilroy 2-5
2-9 Location of Residential Sampling Locations in Morgan Hill 2-5
2-10 Breakdown of Residential TDS Load 2-6
2-11 Annual TDS Loadings Applied to Groundwater 2-7
2-12 Flowchart of Tomato Processing Facility 2-7
3-1 Historical Summary of Consumptive TDS 3-4
3-2 Impact of Commercial and Industrial TDS Load Reductions on Municipal TDS Load 3-4
3-3 Impact of Water Softener Reduction on Annual Municipal TDS Load 3-5
4-1 Schematic of Annual TDS Loads to Groundwater 4-1

Executive Summary

EXECUTIVE SUMMARY

INTRODUCTION

This report presents the results of a service-area wide investigation conducted by the South County Regional Wastewater Authority (Authority) to identify the sources of Total Dissolved Solids (TDS) in the municipal effluent. This investigation is in response to the Central Coast Regional Water Quality Control Board's (Regional Board) concerns with increasing TDS concentration trends in the shallow groundwater monitoring wells located at the Authority's Gilroy-Morgan Hill Wastewater Treatment Plant (WWTP). The goal of this effort is to identify the steps necessary for the Authority to achieve compliance with the revised municipal effluent TDS discharge limit of water supply TDS concentration + 370 mg/L for the new treatment plant. The previous municipal effluent TDS discharge limit was water supply TDS concentration + 425 mg/L.

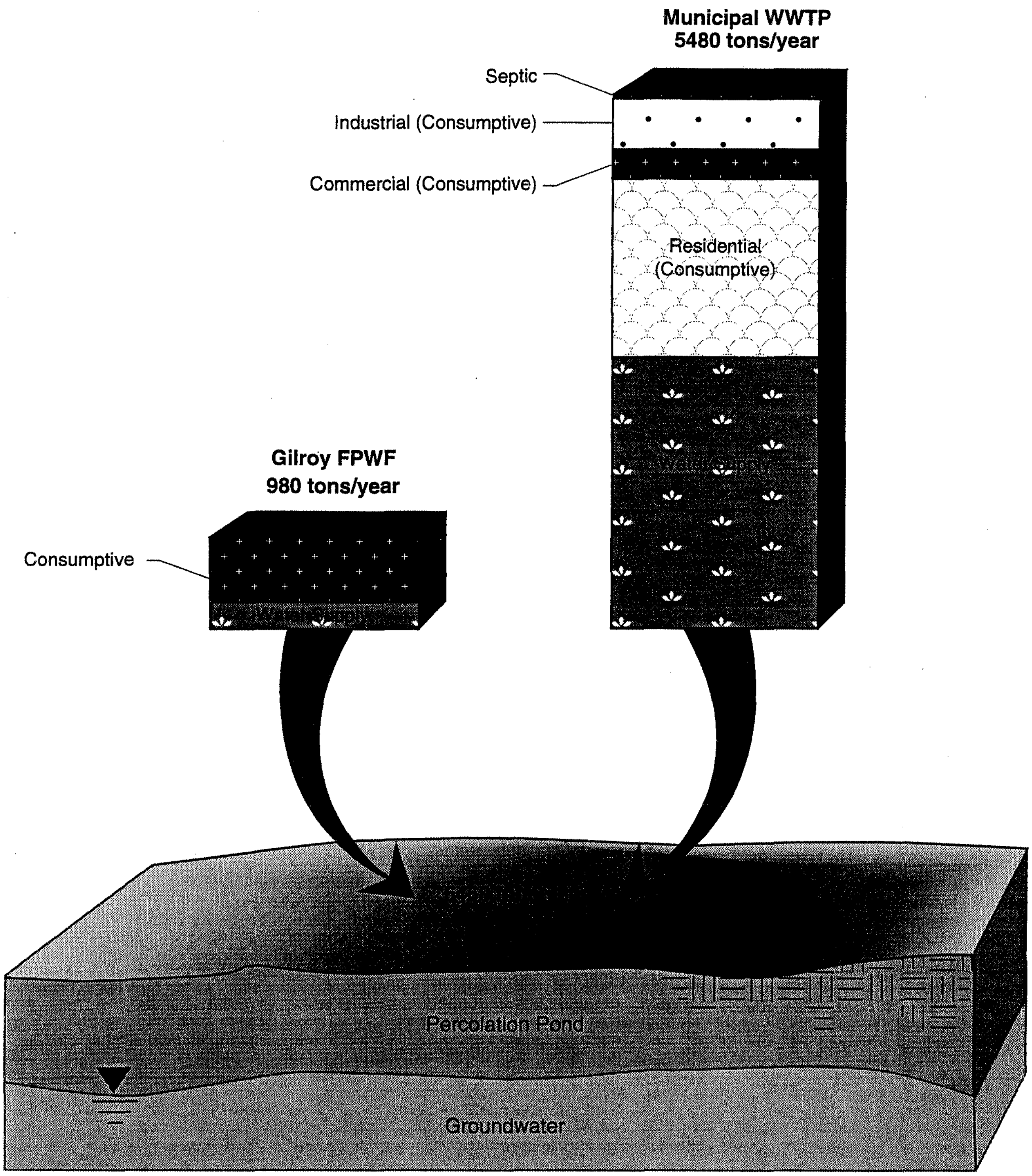
INVESTIGATION FINDINGS

A schematic of the overall TDS contribution to the groundwater at the Gilroy-Morgan Hill WWTP and the Gilroy FPWF is presented in Figure ES-1. A summary of the findings and conclusions from this investigation is presented as follows.

- The municipal effluent contributes about 5,480 tons/year of TDS to the municipal effluent, equivalent to about 0.51 lbs/capita/day. The various sources of municipal effluent TDS include residential, septage, commercial and light industrial activities.

- The consumptive residential TDS contribution from the various household activities is about 0.17 lbs/capita/day. Residential consumptive TDS contributors include cooking, bathing, dishwashing, laundry, house cleaning, swimming pools, self-regenerative water softeners, etc.

- Based upon discussions with water softener vendors and other literature information, the overall TDS contribution from self-regenerative water softeners to the municipal effluent is estimated at about 13 percent. An analysis of the impact of water softener reduction to the overall total TDS load showed that to achieve a 5 percent TDS reduction requires a 45 percent reduction in water



SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

SCHEMATIC OF ANNUAL TDS LOADS TO GROUNDWATER

FIGURE ES-1

softener use. It was estimated that 15 percent of the service area population utilizes self-regenerative water softeners.

- As part of this investigation, a visit to a regional retailer of residential water softeners was conducted. Discussions with the vendor indicated that self-regenerative water softeners (TCR and DIR) were the preferred choice among the residential consumers. In fact, this vendor sold only self-regenerative water softeners because of consumer demand. Therefore, it appears that public education that explains the differences between water softeners may be an effective alternative to regulatory enforcement.

- The food process wastewater (from Gilroy Canning) contributes about 980 tons/year to the percolation ponds at the Gilroy FPWF. The FPWF percolation ponds are located adjacent the municipal effluent percolation ponds. As a result, the total annual TDS contribution to the groundwater at the Gilroy-Morgan Hill WWTP and the Gilroy FPWF is about 6,460 tons/year.

- The prominent sources of commercial TDS discharges were restaurants, laundromats and shopping centers. The TDS investigation of commercial businesses included a total of 71 sites, broadly grouped under 10 categories. The commercial categories were fast food restaurants, car washes, schools, laundromats, light industrial parks, medical/dental facilities, bakeries, supermarkets, auto dealerships/body shops and shopping centers. Shopping centers include a combination of businesses such as restaurants, laundromats, bakeries, etc.

- The prominent industrial TDS contributors to the WWTP were commercial laundries, cardboard manufacturing, seed coat manufacturing and water softening. To achieve a 5 percent reduction in the overall municipal TDS load requires a 30 percent consumptive TDS reduction from commercial/industrial discharges.

- It was observed that with the recent drought (1986-1992), water conservation practices have resulted in decreased water use. The per capita water consumption decreased from 98 gpcd to 79 gpcd between 1985 and 1992. In addition, several commercial and industrial facilities have also undertaken modifications to improve water conservation. As a result, water conservation may result in increased TDS concentrations in the municipal effluent.

- The field investigation of residential trunk sewer sampling showed no observable variation in TDS discharges based upon socio-economic factors. It was speculated that wealthier residential neighborhoods would contribute higher TDS discharges from swimming pools, self-regenerative water softeners, etc. The field data may have been influenced by infiltration/inflows to the sewer as this investigation was conducted between the winter months of December 1994 through March 1995.

- Annual septage discharges to the Gilroy-Morgan Hill WWTP are estimated between 320,000 gallons and 390,000 gallons. Septage samples had high TDS concentrations; however, the overall mass loading to the treatment plant was <1 percent of the overall TDS mass contributions to the treatment plant.

- The Gilroy CCD maintains a proactive pretreatment and source control program. In January 1995, the CCD initiated a restaurant grease removal reporting program for the various restaurants/food handling facilities in the service area. Of the 359 permitted commercial businesses in the Gilroy/Morgan Hill area, 160 are restaurant/food handling facilities.

- The CCD has also implemented a swimming pool draining permit requirement. As noted in the July 1994 study, swimming pool discharges have TDS concentrations that range between 760 mg/L and 7,050 mg/L. The Fish and Game Department bans the discharge of swimming pools to the storm drain due to potential impacts (from chlorine) to fish and wildlife in the receiving environment. Therefore, pool drainings are discharged to the municipal WWTP.

RECOMMENDATIONS

Based upon this investigation, an overall reduction in the total TDS discharges to the municipal effluent could potentially be achieved by source control/pretreatment efforts. The impact of these source control/pretreatment efforts will have to be determined over an extended time period. Specific recommendations from this investigation are as follows:

- Initial TDS source control efforts should focus on prominent commercial/industrial dischargers, such as restaurants and laundromats. The CCD will continue to monitor the activity of the various permitted commercial/industrial dischargers.

- Conduct a process audit of restaurants/food handling facilities and implement BMPs (included in the report) for the restaurant/food handling businesses in the service area. On-going CCD efforts such as the recently implemented restaurant grease removal program may have an indirect impact on municipal TDS reduction.

- Conduct a TDS audit of the tomato processing operation at Gilroy Canning during the 1995 food processing season and identify TDS reduction measures. It should be recognized that Gilroy Canning has made significant process changes that result in lower TDS discharges.

- As required in the Waste Discharge Requirement (WDR) Order No. 92-20, monitor the municipal influent TDS concentration. In addition, conduct periodic monitoring of the trucked-in septage. Include a summary discussion of annual TDS loadings in the annual report. As discussed earlier, the mass-based TDS loading approach provides a bench mark for reviewing TDS loadings trends over extended time periods.

- Implement a public education campaign focused on reducing high TDS discharges. The Gilroy CCD currently provides local businesses with information on pollution prevention activities and actively participate in public education. In general, the various pollution prevention activities are expected to lower the municipal TDS content.

- In cooperation with WQA, develop educational brochures that explain the differences between various commercially available residential water softeners. These brochures will be made available to the general public through mailings and other media.

- The historical consumptive effluent TDS data indicates frequent violation of the Regional Board's current consumptive limit of 370 mg/L; however, consistent compliance is achievable with the Regional Board's previous consumptive limit of 425 mg/L. To enable consistent permit compliance, the consumptive limit needs to be reverted to 425 mg/L. It should be recognized that the overall TDS contribution over the past several years may have actually remained steady. However, the impact of water conservation measures such as low flow toilets, etc., results in higher TDS concentrations in the municipal effluent.

Section 1

CHAPTER 1

INTRODUCTION

This report presents the results of a service-area wide investigation conducted by the South County Regional Wastewater Authority (Authority) to identify the sources of Total Dissolved Solids (TDS) in the municipal effluent. This investigation is in response to the Central Coast Regional Water Quality Control Board's (Regional Board) concerns with increasing TDS concentration trends in the shallow groundwater monitoring wells located at the Authority's Gilroy-Morgan Hill Wastewater Treatment Plant (WWTP). The goal of this effort is to identify the steps necessary for the Authority to achieve compliance with the revised municipal effluent TDS discharge limit of water supply TDS concentration + 370 mg/L for the new treatment plant (until 6-1-94). The previous municipal effluent TDS discharge limit was water supply TDS concentration + 425 mg/L (after 6-1-94).

BACKGROUND

Study Background

In 1992, the Regional Board issued the Authority a revised Waste Discharge Requirement (WDR) Order No. 92-20 for the operation of the Gilroy-Morgan Hill WWTP. The WDR 92-20 required that the Authority implement Best Management Practices (BMP) for TDS reduction in the municipal effluent discharge. A Work Plan for the total dissolved solids BMP Study (dated April 14, 1993) was submitted to the Regional Board. A copy of the Work Plan is included in Appendix A. The scope of the April 1993 Work Plan is presented below.

- Literature Review
- TDS Source Monitoring
- Best Management Practice

The TDS study was completed and submitted to the Regional Board in July 1994. A copy of the July 1994 TDS Study is included in Appendix B. A summary of the findings/conclusions and recommendations of the study is presented below.

Findings and Conclusions. In summary, the study's findings stated that "... *the Authority currently meets the existing consumptive use TDS limit of 425 mg/L. However, it* *would be unlikely for the Authority to consistently meet the proposed Regional Board consumptive use TDS limit of 370 mg/L. Effluent treatment to reduce TDS would result in very significant costs to the Authority. Therefore, the Authority requests the Regional Board to consider maintaining the current consumptive use TDS limit of 425 mg/L."*

A summary of the findings and conclusions from the July 1994 study is presented below.

- **Consumptive Use Limits.** Review of the Cities' of Gilroy and Morgan Hill water supply TDS and municipal wastewater influent TDS concentrations indicates that the average consumptive TDS (calculated from January 1992 to March 1994) for the WWTP service area is about 390 mg/L, which is below the current Regional Board consumptive use limit of 425 mg/L but above the proposed consumptive use limit of 370 mg/L. It is unlikely that the WWTP will be able to consistently meet the proposed consumptive use limit of 370 mg/L without further reductions in consumptive TDS loadings.

- **Groundwater TDS Concentration.** The review of the historical groundwater TDS concentrations (at the Authority's WWTP) indicated no distinct trend in increasing TDS concentration below the municipal WWTP percolation ponds. However, the groundwater monitoring wells in the vicinity of the food process percolation ponds demonstrate a noticeable increase in TDS concentrations.

- **Commercial and Industrial TDS Contributions.** The Authority's Chemical Control Division conducted a one-year random sewer sampling program at various locations in the Authority's service area to identify sources of highly concentrated TDS discharges to the Authority's WWTP. This program indicates that significant TDS loadings are contributed from a few facilities with discharges high in flow and/or TDS concentration. Commercial and industrial flows contribute a greater percentage of total TDS loading than they account for in flows to the WWTP. The majority of industries sampled presented a negligible TDS loading to the plant.

- **Food Process TDS Contributions.** The discharge of food process wastewater is a significant source of groundwater TDS increases. Comparison of the municipal and food process effluent land discharges indicates that the annual food process effluent flow is about 8 percent of the annual municipal effluent discharge. However, the annual food process TDS load (about 1,000 tons) is about 20 percent of the annual municipal effluent TDS load (about 5,360 tons). Therefore, the FPWF effluent is a significant source of groundwater TDS.

- **Residential Water Softening Contributions.** Residential self-regenerative water softeners are a potential source of wastewater effluent TDS. Based upon discussions with water softener vendors in the Gilroy-Morgan Hill area, it is estimated that between 15 to 40 percent of Gilroy and Morgan Hill households use self-regenerative water softeners. However, the accuracy of this estimate can only be verified with further investigation. As a result, it is very difficult to speculate the TDS impact water softeners have on municipal effluent.

- **Water Softening Ordinances.** A brief review of water softener use ordinances indicated that the state and a few California communities have adopted ordinances related to the use of self-regenerating water softeners. For about thirty years, the Irvine Ranch has successfully implemented an ordinance that bans the use of self-regenerating water softeners. However, more recently, the City of Escondido has had difficulty in adopting ordinances banning water softeners. A court case (City of Escondido v. Pacific Water Quality Association) is in progress with respect to water softener use in individual homes. The outcome of this case may impact the effectiveness of these ordinances.

- **WWTP Survey.** A survey of thirty-one municipal WWTPs was conducted to compare the Authority's wastewater TDS data with other municipalities. The survey indicated that the Authority's consumptive TDS (about 390 mg/L) is within the range of typical values. Of the thirty-one WWTPs surveyed, only two had absolute effluent TDS limits imposed. The survey also indicated that other municipalities that land discharged their effluent did not have effluent TDS limits. The Authority's WWTP has an equal or lower consumptive TDS concentration than other Central Coast WWTPs with effluent land discharges.

TDS Study Response and Actions

In a letter dated September 6, 1994, the Regional Board concurred with the July 1994 report's findings and conclusions. However, the Regional Board indicated that prior to reversing the municipal effluent consumptive limit to 425 mg/L, the Authority would be required to conduct an expanded TDS source investigation. The Regional Board requirements for the expanded study is presented below.

- Investigation of commercial, industrial and domestic TDS sources
- Develop and implement BMPs for significant sources
- Analyze monitoring data to determine if TDS reduction programs will result in compliance with the 370 mg/L consumptive limit.

A copy of the September 6, 1994, Regional Board letter is included in Appendix B. The Regional Board requested that the Authority submit a formal investigation proposal for the follow-up investigation. In addition, the Regional Board requested specifics of improving housekeeping at Gilroy Canning, a local tomato processing cannery.

In compliance with the Regional Board's September 6, 1994, letter, the Authority submitted a formal TDS investigation proposal in November 1994. A copy of the Authority's proposal is included in Appendix C. The TDS Investigation proposal was approved by the Regional Board in a letter dated November 16, 1994, a copy of which is also presented in Appendix C. This report presents the results of the work scope outlined in the Authority's November 1994 proposal.

REPORT ORGANIZATION

Chapter 1, Introduction, presents the study background. Chapter 2, TDS Investigation, presents a description of the monitoring program, service area description, and data analysis. Chapter 3 presents a discussion of Best Management Practices targeted at prominent TDS discharges along with a BMP implementation plan. Chapter 4 presents the findings and recommendations from this investigation.

ACKNOWLEDGMENT

The assistance of the City of Gilroy Chemical Control Division (CCD) with the field sampling effort for this TDS investigation is acknowledged. The following CCD staff were involved with this study: Nick Amper, Loida Osoteo, David Keshmiry, Ben Espiritu and Teri Davis.

ABBREVIATIONS

A list of commonly used abbreviations in this report is presented below.

Authority	-	South County Regional Wastewater Authority
BMP	-	Best Management Practices
CCD	-	Chemical Control Division
DIR	-	Demand initiated regeneration
FPWF	-	Food Processor Wastewater Facility
gpcd	-	gallons per capita per day
MG	-	million gallons
mg/L	-	milligrams per liter
mgd	-	million gallons per day
Regional Board	-	Regional Water Quality Control Board
SCRWA	-	South County Regional Wastewater Authority
TCR	-	Time clock regeneration
TDS	-	Total Dissolved Solids
tpd	-	tons per day
tpy	-	tons per year
WQA	-	Water Quality Association
WWTP	-	Wastewater Treatment Plant

Section 2

MONTGOMERY WATSON

CHAPTER 2

TDS INVESTIGATION

This chapter presents a description of the service area, monitoring program, sample collection and data analysis. The data analysis reviews the impact of commercial, industrial, septage and residential TDS contribution on the overall municipal effluent TDS. Also included in this chapter is an analysis of the TDS discharge from tomato processing and the overall TDS impact to the groundwater basin.

DESCRIPTION OF TDS INVESTIGATION

This section presents a description of the service area and the monitoring program.

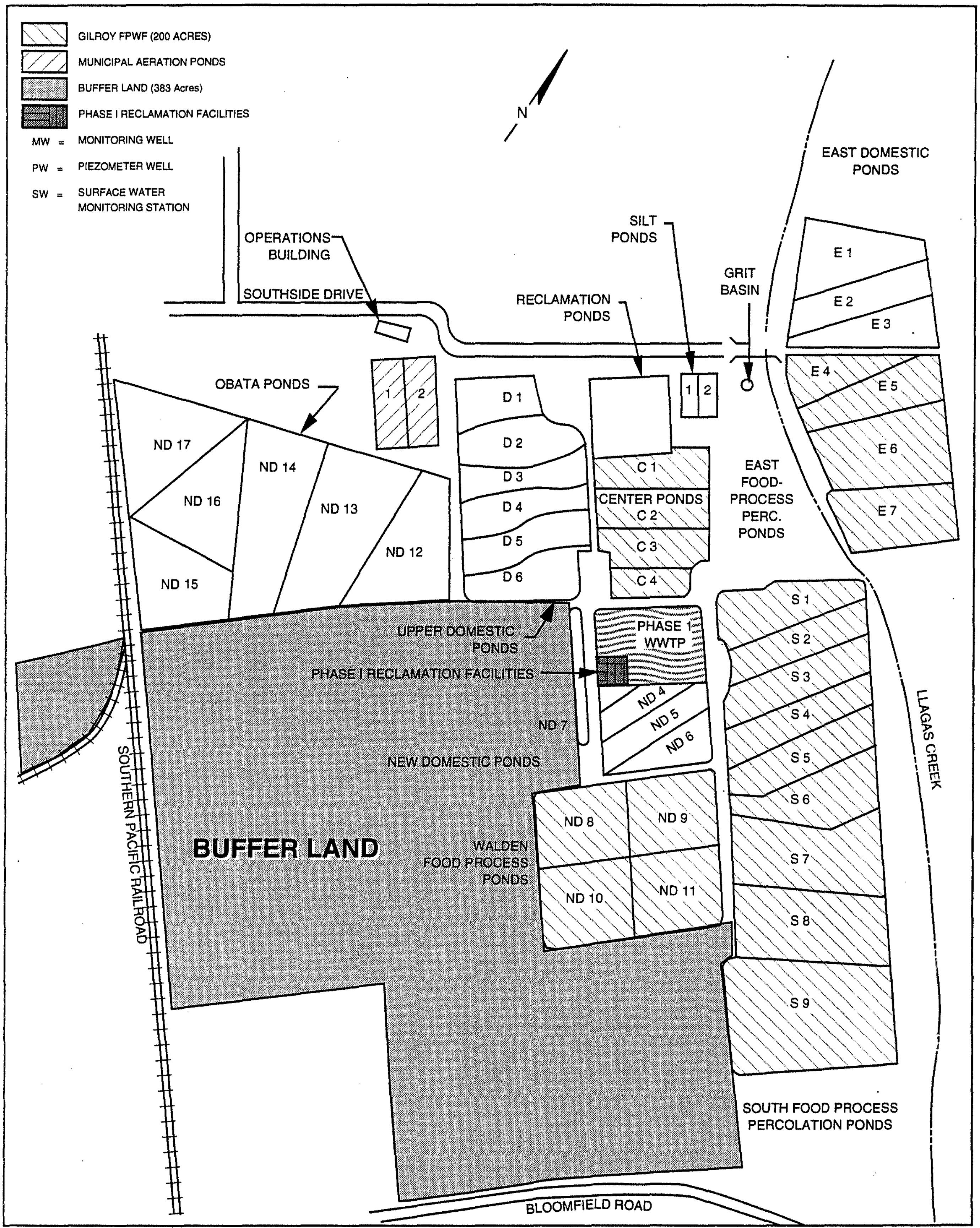
Gilroy-Morgan Hill WWTP Service-Area Description

The Authority provides municipal wastewater collection and treatment for the Cities of Gilroy and Morgan Hill. A site plan of the Authority's WWTP is presented in Figure 2-1. The City of Gilroy's Chemical Control Division (CCD), which oversees source control activities of commercial/industrial dischargers in the Gilroy/Morgan Hill area estimates that the residential wastewater contribution is about 80 percent of the WWTP flows; the remaining 20 percent of the WWTP flows are from commercial/industrial dischargers. The WWTP also receives trucked-in septage from local haulers in Santa Clara County.

Description of Monitoring Program

A description of the sampling locations and the field sampling procedure used in this investigation is presented below.

Sampling Locations. As outlined in the Work Plan, the primary scope of this investigation was to quantify commercial and industrial discharges to the Authority's WWTP. In addition, some residential sampling was included in the program to identify TDS contributions as a result of socio-economic differences in the community. The commercial and industrial dischargers were surveyed to identify water softener users, type of equipment used, method and frequency of regeneration, and volume of waste discharged to the sanitary sewer system. A detailed breakdown of the various sampling categories for both Gilroy and Morgan Hill is presented in



1443.0030.SCRWA.4/95

SITE PLAN
South County Regional Wastewater Authority

FIGURE 2-1

Table 2-1. The various sampling locations in the Cities of Gilroy and Morgan Hill are presented in Figures 2-2 and 2-3, respectively.

Field Sampling. The City of Gilroy's CCD conducted the field monitoring of TDS discharges from commercial and industrial businesses, and selected residential areas in the Cities of Gilroy and Morgan Hill. One grab sample per month was collected from each facility between December 1994 and March 1995. TDS concentrations were monitored at end-of-pipe discharge points for commercial and industrial facilities and collection system trunk lines for specific residential areas. Grab samples were collected from septic tanker trucks prior to discharge at the Authority's treatment plant. A digital conductivity and TDS meter, similar to the one presented in Appendix C, was used in the sampling effort. The results of the TDS investigation are described in the following sections of this report.

Assumptions. A brief discussion of the assumptions used in this analysis is presented below.

- To provide a conservative estimate of the residential TDS concentration sampled during this TDS investigation, the residential TDS concentration is calculated as the consumptive TDS, calculated as the difference between the municipal effluent TDS concentration and the water supply TDS concentration.

- The residential flow is calculated as the difference between the WWTP's total municipal influent flow and the sum of the commercial, industrial and septic flows.

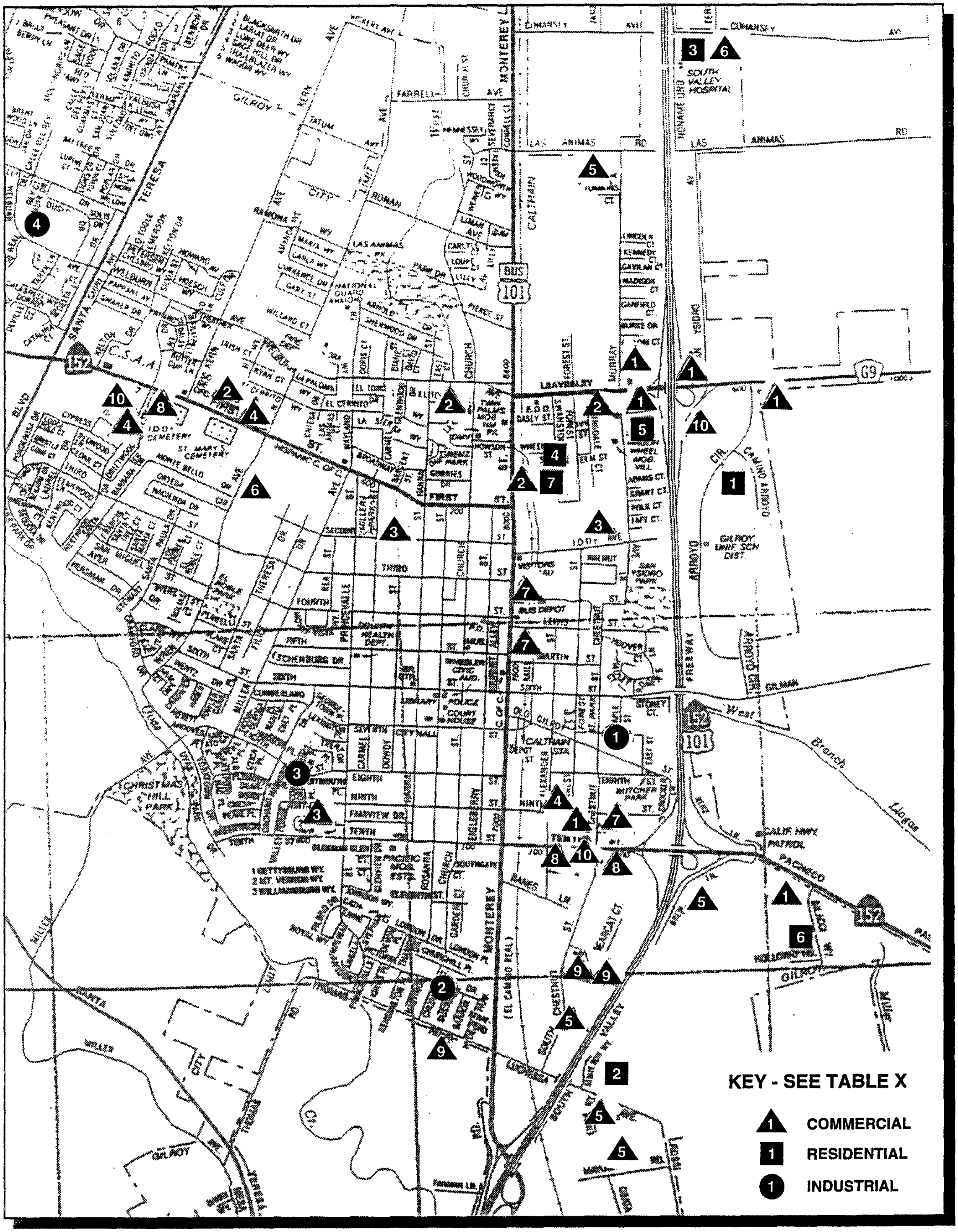
- The Gilroy CCD monitors a total of 359 permitted commercial/industrial dischargers to the Gilroy-Morgan Hill WWTP. Of which, about 180 businesses are restaurant and food service related. This investigation included 81 commercial establishments; of which, about 12 businesses were restaurants. Therefore, the commercial flows were estimated assuming the restaurant flow is 15 times the reported restaurant flow and the remaining commercial flow is two times the reported commercial flow. The industrial flow is calculated assuming the industrial flow is two times the reported industrial flow.

DATA ANALYSIS

This section presents a detailed analysis of the field sampling TDS data. A summary of the data collected during the TDS investigation is presented in Table 2-2. The raw data from the

TABLE 2-1
TDS MONITORING PROGRAM SAMPLING LOCATIONS
South County Regional Wastewater Authority

Group Number	Category	Gilroy	Morgan Hill	Service Area Total
Commercial Business Groups (10 Groups)				
1	Fast Food Restaurants	6	6	12
2	Car Washes	4	3	7
3	Schools	4	3	7
4	Laundromats	3	3	6
5	Light Industrial Parks	5	5	10
6	Medical/Dental Facilities	2	3	5
7	Bakeries	3	3	6
8	Supermarkets	3	3	6
9	Auto Dealerships/Body Shops	4	2	6
10	Shopping Centers	3	3	6
		37	34	71
Industrial (10 Facilities)				
1	Wiltron Inc. (Electronic Mfg.)	--	x	1
2	B.A.S. Inc. (Metal Finisher)	--	x	1
3	St. Louise Hospital	--	x	1
4	Dusan Inc. (Electronic Mfg.)	x	--	1
5	Gaylord Inc. (Container Mfg.)	x	--	1
6	South Valley Hospital	x	--	1
7	Germain Seeds (Ag Seed Mfg.)	x	--	1
8	Lohmar Inc. (Com/Ind Laundry)	x	--	1
9	Cintas Inc. (Com/Ind Laundry)	x	--	1
10	Servis-soft (Water softener)	x	--	1
		7	3	10
Residential Areas				
1	Peak Ave. & Claremont Dr.	--	x	1
2	Foothill Ct. & Del Monte Ave.	--	x	1
3	Edmundson Ave. & Church St.	--	x	1
4	Sorrel Way & Dunne Ave.	--	x	1
5	7th St. & Maple St.	x	--	1
6	Victoria Dr. & Sussex	x	--	1
7	La Allandra & Welburn Ave.	x	--	1
8	Delta Dr. & Welburn Ave.	x	--	1
		4	4	8
Septic Haulers				
1	Acme Septic	--	--	x
2	AJAX Septic	--	--	x
3	Al's Septic	--	--	x
4	Jim's Septic	--	--	x
5	Morton's Septic	--	--	x
		--	--	5



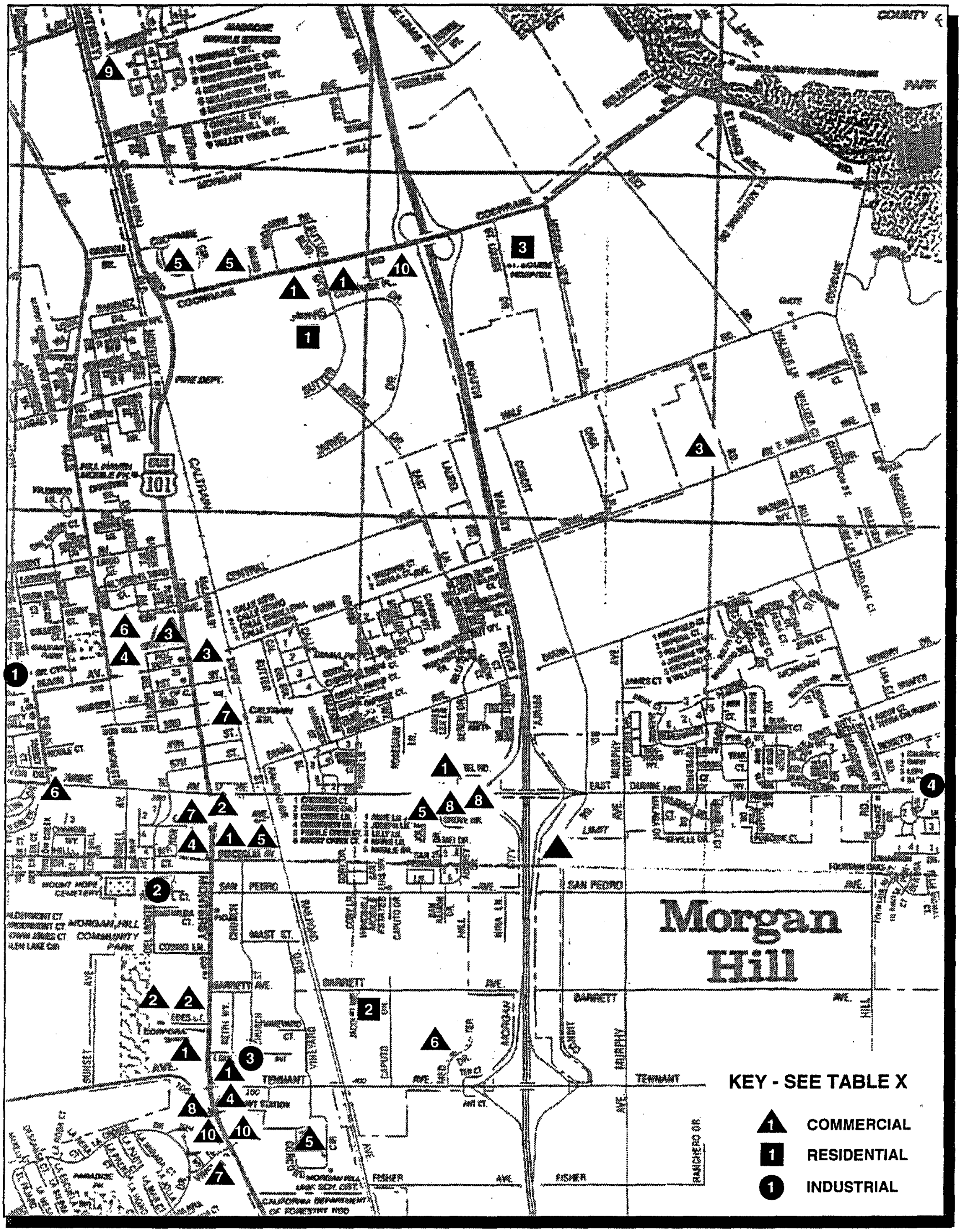
1443.0030 SCRWA (4/95) GDD

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

GILROY TDS SAMPLING LOCATIONS

FIGURE 2-2

MONTGOMERY WATSON



1443.0030 SCRWA (4/95) GDD

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

MORGAN HILL TDS SAMPLING LOCATIONS

FIGURE 2-3

MONTGOMERY WATSON

TABLE 2-2
TOTAL DISSOLVED SOLIDS SURVEY DATA SUMMARY
South County Regional Wastewater Authority

Number	Facility Information					Water Softeners			Water Usage gpd (avg)	Sample Location (b)	TDS Sampling (c)												
	Name	Address	Telephone	Business Type	Business Group (a)	Water Softener	Serviced	Regenerate On Site			1992		1993		December 1994		January 1995		February 1995		March 1995		Average
											Time	TDS, mg/L	Time	TDS, mg/L	Time	TDS, mg/L	Time	TDS, mg/L	Time	TDS, mg/L	Time	TDS, mg/L	TDS, mg/L
1	Burger King	450 Leavesley Rd., Gilroy, CA 95020	(408) 847 - 3993	Fast Food	G-C1	N	N	N	2,657	SB	N/A		N/A		12/19/94 10:30	450	1/18/95 14:00	640	2/23/95 16:00	630	3/25/95 14:20	470	548
2	Chevy's Restaurant	8440 Murray Ave., Gilroy, CA 95020	(408) 847 - 2726	Restaurant	G-C1	Y	N	Y	5,452	SB	N/A		N/A		12/13/94 15:00	1530	1/18/95 9:15	1600	2/27/95 15:25	800	3/27/95 9:45	1840	1443
3	Denny's Restaurant	8425 San Ysidro Ave., Gilroy, CA 95020	(408) 842 - 7678	Restaurant	G-C1	Y	N	Y	7,192	SB	N/A		N/A		12/13/94 15:45	1070	1/18/95 12:00	1435	2/27/95 0:00	480	3/27/95 9:15	310	824
4	Golden West Restaurant	840 Pacheco Pass Highway, Gilroy, CA 95020	(408) 842 - 6448	Restaurant	G-C1	Y	Y	N/A	4,186	SB	N/A		N/A		12/1/94 13:00	570	1/11/95 11:00	850	2/27/95 13:00	650	3/24/95 10:55	470	635
5	McDonalds	8390 Arroyo Circle, Gilroy, CA 95020	(408) 847 - 5446	Fast Food	G-C1	N	N	N	2,471	SB	N/A		N/A		12/20/94 10:00	450	1/19/95 8:30	780	2/28/95 11:00	650	3/25/95 14:45	590	618
6	McDonalds	6990 Chestnut St., Gilroy, CA 95020	(408) 842 - 7775	Fast Food	G-C1	N	N/A	N/A	2,164	SB	N/A		N/A		12/1/94 13:45	760	1/11/95 11:30	750	2/27/95 14:45	680	3/22/95 13:30	320	628
10	First St. Carwash	951 First St., Gilroy, CA 95020	(408) 847 - 9910	Car Wash	G-C2	N	N	N	1,408	SB	N/A		N/A		12/13/94 11:00	340	1/18/95 12:20	340	2/27/95 10:45	670	3/27/95 11:00	320	418
11	Michael Cain Car Wash	7940 Monterey Rd., Gilroy, CA 95020	(408) 847 - 1730	Car Wash	G-C2	N	N	N	1,096	SB	N/A		N/A		12/5/94 13:15	300	1/19/95 14:00	330	2/23/95 15:45	650	3/24/95 13:40	340	405
12	Shell Service Station	400 Leavesley Rd., Gilroy, CA 95020	(408) 842 - 5227	Service Station/Car Wash	G-C2	N	N	N	2,800	SB	N/A		N/A		12/5/94 14:00	310	1/18/95 13:30	250	2/27/95 16:00	380	3/24/95 14:05	200	285
13	Village Car Wash	8383 Church St., Gilroy, CA 95020	N/A	Car Wash	G-C2	N	N	N	1,170	SB	N/A		N/A		12/13/94 13:00	410	1/18/95 13:00	350	2/23/95 15:00	1000	3/27/95 10:10	440	550
14	Gavilan College	5055 Santa Theresa Blvd., Gilroy, CA 95020	(408) 847 - 1400	Jr. College	G-C3	N/A	N/A	N/A	N/A	SM	N/A		N/A		12/5/94 10:45	440	1/19/95 15:00	670	2/27/95 12:30	900	3/24/95 10:35	270	570
15	Gilroy High School	750 West Tenth St., Gilroy, CA 95020	(408) 847 - 2424	High School	G-C3	Y	Y	N	91,567	SM	N/A		N/A		12/5/94 10:15	390	1/20/95 9:45	670	2/28/95 10:15	510	3/27/95 0:00	130	425
16	Glenn View Elementary School	600 West Eigth St., Gilroy, CA 95020	(408) 842 - 8292	Elementary School	G-C3	N	N	N	11,482	SM	N/A		N/A		12/5/94 9:30	430	1/17/95 9:15	370	2/25/95 10:00	430	3/27/95 14:00	1300	633
17	South Valley Jr. High	240 Swanston Lane, Gilroy, CA 95020	(408) 847 - 3377	Schools	G-C3	N	N	N	1,424	SM	N/A		N/A		12/21/94 9:45	400	1/17/95 12:00	440	2/25/95 9:30	410	3/27/95 9:20	400	413
18	Launderland	343-E Tenth St. #F, Gilroy, CA 95020	(408) 842 - 1854	Laundromat	G-C4	N	N	N	10,359	SB	N/A		N/A		12/19/94 9:35	1400	1/20/95 9:15	660	2/27/95 13:15	640	3/27/95 14:45	300	750
19	Launderland	8050 Wren Ave, Gilroy, CA 95020	(408) 847 - 1030	Laundromat	G-C4	N	N	N	9,893	SB	N/A		N/A		12/13/94 12:15	1040	1/20/95 10:30	1200	2/28/95 12:00	700	3/27/95 11:00	290	808
20	Westwood Wash & Dry	7960-G Westwood Ave., Gilroy, CA 95020	(408) 847 - 3222	Laundromat	G-C4	Y	N	Y	4,962	SB	N/A		N/A		12/21/94 15:15	1300	1/20/95 11:00	560	2/25/95 12:15	600	3/27/95 12:00	1290	938
21	Adams Ct. Light Industrial	Adams Ct./Sutter, Gilroy, CA 95020	N/A	Light Industrial	G-C5	N	N/A	N/A	N/A	SM	N/A		N/A		12/5/94 11:20	540	1/19/95 13:35	460	2/8/95 10:35	360	3/21/95 11:00	440	450
22	Industrial Commercials	6310 Chestnut St., Gilroy, CA 95020	N/A	Light Ind. & Shopping Center	G-C5	Y	Y	N	170	SM	N/A		N/A		12/1/94 10:10	480	1/17/95 10:00	390	2/28/95 8:45	380	3/23/95 13:35	420	418
23	Industrial Park	505 Mayock Rd., Gilroy, CA 95020	N/A	Industrial Park	G-C5	N	N/A	N/A	603	SM	N/A		N/A		12/1/94 9:30	270	1/18/95 10:00	330	2/27/95 12:45	440	3/23/95 14:10	610	413
24	Light Industrial Park	6600 Brem Lane, Gilroy, CA 95020	N/A	Machine Shops, Body Shops	G-C5	N	N/A	N/A	167	SM	N/A		N/A		12/1/94 11:30	300	1/11/95 11:15	950	2/27/95 1:15	520	3/24/95 11:00	360	533
25	Light Industrial Park	Eagle/Luchessa Ave, Gilroy, CA 95020	N/A	Industrial Park	G-C5	N	N/A	N/A	N/A	SM	N/A		N/A		12/1/94 13:30	560	1/17/95 10:30	550	2/27/95 12:45	560	3/23/95 14:00	330	500
26	Tompkins Ct.	8900 Murray Ave., Gilroy, CA 95020	N/A	Light Ind. Park	G-C5	N	N	N	N/A	SM	N/A		N/A		12/13/94 14:45	370	1/19/95 11:15	350	2/27/95 15:30	430	3/27/95 10:00	520	418
27	Gilroy Medical Park	7880 Wren Avenue, Gilroy, CA 95020	(408) 842 - 2320	Medical Complex	G-C6	N	N	N	12,025	TM	N/A		N/A		12/13/94 13:45	310	1/18/95 11:30	300	2/27/95 11:35	740	3/27/95 11:25	370	430
28	South Valley Medical Pavilion	9660 No Name UNO Ave, Gilroy, CA 95020	N/A	Medical Office Complex	G-C6	N	N	N	N/A	TM	N/A		N/A		12/6/94 14:00	410	1/18/95 11:30	308	2/27/95 14:30	430	3/24/95 15:35	430	395
29	Aztlan Bakery	7419 Monterey Rd., Gilroy, CA 95020	(408) 847 - 8242	Bakery	G-C7	N	N	N	247	SB	N/A		N/A		12/5/94 13:00	1500	1/19/95 11:45	1300	2/23/95 14:30	780	3/27/95 14:30	380	990
30	Pink Elephant #3	340E Tenth St., Gilroy, CA 95020	(408) 842 - 9168	Bakery	G-C7	N	N/A	N/A	N/A	SM	N/A		N/A		12/1/94 15:30	320	1/20/95 10:30	740	2/28/95 10:30	540	3/24/95 9:20	470	518
31	El Charito Market	7638 Monterey Rd., Gilroy, CA 95020	(408) 842 - 3659	Market	G-C8	N	N	N	441	SB	N/A		N/A		12/5/94 11:30	1500	1/19/95 1:30	1450	2/27/95 16:30	1610	3/25/95 13:15	570	1283
32	Lucky's	6906 Chestnut St., Gilroy, CA 95020	(408) 847 - 1062	Supermarket	G-C8	N	N/A	N/A	4,011	SM	N/A		N/A		12/1/94 14:30	340	1/11/95 15:00	560	2/27/95 12:45	840	3/24/95 0:00	N/A	580
33	PW Market	260 East Tenth, Gilroy, CA 95020	(408) 848 - 5277	Supermarket	G-C8	Y	N	Y	6,228	SB	N/A		N/A		12/19/94 9:15	400	1/11/95 12:00	670	2/27/95 13:00	850	3/24/95 9:00	370	573
34	Safeway Market	845 First St., Gilroy, CA 95020	(408) 842 - 0358	Supermarket	G-C8	N	N	N	551	SB	N/A		N/A		12/13/94 11:45	450	1/19/95 14:30	430	2/27/95 11:00	760	3/27/95 10:50	270	478
35	Bob Lynch Ford	6290 Monterey Rd., Gilroy, CA 95020	(408) 847 - 1111	Auto Dealer	G-C9	N/A	N/A	N/A	507	SB	N/A		N/A		12/5/94 11:00	200	1/17/95 14:00	200	2/27/95 11:45	320	3/24/95 9:30	100	205
36	Premiere Autobody	101 Leavesley Rd., Gilroy, CA 95020	(408) 848 - 3883	Autobody	G-C9	N	N	N	427	SB	N/A		N/A		12/5/94 13:45	260	1/18/95 14:30	260	2/27/95 16:15	350	3/27/95 10:05	260	283
37	South County Chrysler	6600 Chestnut St., Gilroy, CA 95020	(408) 842 - 8244	Auto Dealer	G-C9	N	N	N	1,521	TM	N/A		N/A		12/5/94 11:10	560	1/17/95 14:30	610	2/27/95 15:00	680	3/24/95 9:35	700	638
7	Hecker Pass Plaza	1280 First St., Gilroy, CA 95020	N/A	Shopping Center	G-C10	N	N	N	5,764	TM	N/A		N/A		12/13/94 10:15	440	1/11/95 12:45	730	2/27/95 10:30	360	3/27/95 11:15	480	503
8	K-Mart	Chestnut Ave, Gilroy, CA 95020	N/A	Shopping Center	G-C10	N	N/A	N/A	2,074	SM	N/A		N/A		12/1/94 14:45	300	1/17/95 9:45	312	2/25/95 8:30	530	3/23/95 13:45	420	391
9	Outlet Mall Phase III	8300 Camino Arroyo, Gilroy, CA 95020	(408) 842 - 3729	Shopping Centers	G-C10	Y	N	Y	4,027	SM	N/A		N/A		12/21/94 10:00	540	1/17/95 16:00	500	2/28/95 11:30	500	3/25/95 15:00	690	558
38	Dusan	8100 Arroyo Circle, Gilroy, CA 95020	(408) 848 - 5000	Metal Finishing	G-I1	N	N	N	2,028	TM	9/29/92	570	9/21/93	539	12/5/94 15:00	540	1/18/95 10:30	650	2/27/95 13:45	400	3/25/95 11:30	530	538
39	Gaylord Container Corp.	6400 Jaimeson Way, Gilroy, CA 95020	(408) 847 - 6400	Fiberboard Mfg.	G-I2	Y	N	Y	22,000	TM	N/A		N/A		12/13/94 9:30	1250	1/17/95 13:30	1000	2/27/95 12:30	900	3/24/95 9:45	1410	1140
40	South Valley Hospital	8400 No Name UNO, Gilroy, CA 95020	(408) 848 - 2000	Hospital	G-I3	N/A	N/A	N/A	19,345	TM	N/A		N/A		12/6/94 13:15	560	1/18/95 11:00	620	2/27/95 14:15	600	3/24/95 15:20	430	553
41	Seed Systems	8333 Swanston Lane, Gilroy, CA 95020	(408) 848 - 8120	Seed Coating Products	G-I4	N	N	N	1,085	SB	3/5/93	3,693	Apr-93	1953	12/19/94 15:30	280	1/18/95 15:00	310	2/28/95 11:45	640	3/25/95 13:45	420	1216
42	ServiSoft	8111 Swanston Lane, Gilroy, CA 95020	(408) 847 - 2277	Water Softener	G-I5	Y	N	Y	30	SB	N/A		2/1/93	3186	12/19/94 11:45	3400	1/18/95 16:00	1480	2/27/95 16:15	1910	3/25/95 14:00	750	2145
43	Cintas Corp.	904 Holloway Ave, Gilroy, CA 95020	(408) 848 - 1023	Comm. Laundry	G-I6	Y	N	Y	27,680	TM	12/23/92	1200	4/6/93	11,000	12/1/94 13:15	670	1/6/95 11:45	920	2/27/95 0:00	1050	3/25/95 11:15	440	2547
44	Lohmar	Gilroy	N/A	Comm.Laundry	G-I7	N/A	N/A	N/A	130,000	N/A	4/14/93	1400	6/10/93	1,430	N/A		N/A		N/A		N/A		1415
45	Residence	235 Victoria, Gilroy, CA 95020	N/A	Residential	G-R2	N	N	N/A	0	SM	N/A		N/A		9/19/94 10:30	520	1/17/95 10:15	325	2/25/95 9:00	460	3/25/95 10:00	940	561
46	Residence	753 Alandra/Welburn, Gilroy, CA 95020	N/A	Residential	G-R3	N	N	N	290	SM	N/A		N/A		9/19/94 11:30	440	1/17/95 10:30	350	2/25/95 9:45	430	3/27/95 10:20	400	405
47	Residence	Delta/Welburn, Gilroy, CA 95020	N/A	Residential	G-R4	N/A	N/A	N/A	N/A	N/A	N/A		N/A		9/19/94 10:00	440	1/17/95 10:45	410	2/27/95 10:15	390	3/27/95 10:35	400	410
48	Residence	575 Seventh, Gilroy, CA 95020	N/A	Residential	G-R5	N	N	N/A	N/A	SM	N/A		N/A		9/19/94 11:00	340	1/17/95 9:15	260	2/25/95 9:15	410	3/25/95 13:00	360	343
49	Burger King	16025 Monterey Rd., Morgan Hill, CA 95027	(408) 778 - 1439	Fast Food	M-C1	N	N/A	N/A	1,326	SB	N/A		N/A		12/27/94 11:05	340	1/18/95 14:10	380	2/8/95 15:10	440	3/21/95 15:00	420	395
50	Kentucky Fried Chicken	17050 Laurel Rd., Morgan Hill, CA 95027	(408) 779 - 7545	Restaurant	M-C1	N	N/A	N	1,805	SB	N/A		N/A		12/27/94 9:50	710	1/18/95 10:15	510	2/14/95 11:00	600	3/21/95 10:05	610	608
51	Marie Callender	18599 Sutter Blvd., Morgan Hill, CA 95027	(408) 778 - 7373	Restaurant	M-C1	Y	N	Y	7,189	SB	N/A		N/A		12/5/94 10:45	610	1/19/95 13:50	590	2/9/95 11:15	650	3/20/95 10:57	640	623
52	McDonalds	201 Vineyard Blvd., Morgan Hill, CA 95027	(408) 779 - 8182	Fast Food	M-C1	N	N	N	1,925	SB	N/A		N/A		1/3/95 10:00	1610	1/18/95 13:00	430	2/14/95 13:30	540	3/20/95 0:00	750	833
53	McDonalds	135 Cochrane Rd., Morgan Hill, CA 95027	(408) 779 - 0052	Fast Food	M-C1	N	N/A	N/A	3,979	SB	N/A		N/A		12/5/94 10:15	515	1/19/95 14:25	700	2/9/95 9:34	840	3/21/95 9:45	680	684
54	Sizzlers Restaurant	15900 Monterey Rd., Morgan Hill, CA 95027	(408) 779 - 8663	Fast Food	M-C1	N	N	N/A	2,219	SB	N/A		N/A		12/30/94 10:15	350	1/18/95 15:00	630	2/14/95 13:45	750	3/20/95 14:50	740	618
59	Corp Yard	105 Edeo, Morgan Hill, CA 95027	(408) 779 - 8322	Car Wash	M-C2	Y	Y	N	286	SB	N/A		N/A		12/8/94 13:30	340	1/18/95 15:00	240	2/8/95 15:00	210	3/21/95 14:45	230	255
60	Morgan Hill Car Wash	16225 Monterey Rd., Morgan Hill, CA 95027	(408) 779 - 5477	Car Wash	M-C2	Y	N/A	Y	6,167	SB	N/A		N/A		12/8/94 14:10	540	1/19/95 15:00	500	2/8/95 14:50	510	3/27/95 15:00	520	518
61	Town & Country Carwash	16940 Monterey, Morgan Hill, CA 95027	N/A	Carwash	M-C2	N	N/A	N/A	1,066	N/A	N/A		N/A		12/8/94 13:15	340	1/18/95 11:30	360	2/8/95 13:55	330	3/20/95 13:08	190	305
62	Britton School	Keystone & Del Monte, Morgan Hill, CA 95027	N/A	School	M-C3	N/A	N/A	N/A	N/A	SM	N/A		N/A		12/15/94 10:25	540	1/19/95 10:15	500	2/8/95 11:00	400	3/2/95 11:10	430	468
63	Central High School	17960 Monterey St., Morgan Hill, CA 95027	(408) 779 - 5244	School	M-C3	N	N	N	6,051	SM	N/A		N/A		1/3/95 11:00	910	1/19/95 11:00	620	2/8/95 11:30	540	3/20/95 11:30	650	680
64	Live Oak High School	1505 E. Main Ave., Morgan Hill, CA 95027	(408) 779 - 5210	School	M-C3	N	N/A	N/A	9,311	SM	N/A		N/A		12/15/94 13:25	540	1/19/95 13:25	660	2/14/95 10:35	720	3/21/95 9:25	630	638
65	Launderland Coin-Op	220 Tennant, Morgan Hill, CA 95027	(408) 779 - 1487	Laundromat	M-C4	N	N/A	N/A	6,109	N/A	N/A		N/A		12/15/94 12:50	350	1/18/95 13:20	420	2/14/95 13:55	290	3/20/95 0:00	340	350
66	Nob Hill Coin-Op	209 W. Main St., Morgan Hill, CA 95027	(408) 778 - 3934	Laundromat	M-C4	N	N/A	N/A	7,635	N/A	N/A		N/A		12/27/94 10:20	310	1/19/95 10:25	360	2/8/95 13:30	530	3/20/95 11:40	390	398
67	Teddy Bear Wash & Dry	16905 Monterey Rd., Morgan Hill, CA 95027	(408) 683 - 8388	Laundromat	M-C4	N	N/A	N/A	4,973	N/A	N/A		N/A		12/8/94 10:55	660	1/19/95 12:00	330	2/8/95 14:35	320	3/20/95 13:45	2900	1053
68	Concord Circle	15850 Concord Circle, Morgan Hill, CA 95027	N/A	Light Industrial	M-C5	N	N/A	N/A	33,380	SM	N/A		N/A		12/15/94 12:50	630	1/18/95 13:00	840	N/A		3/23/95 10:20	510	660
69	Church & Biscaglia	Church & Biscaglia, Morgan Hill, CA 95027	N/A	Light Industry	M-C5	N	N/A	N/A	N/A	SM	N/A		N/A		12/8/94 13:05	360	1/18/95 11:15	330	2/15/95 14:35	300	3/20/95 14:08	720	428
70	Joleen Way	16870 Joleen Way, Morgan Hill, CA 95027	N/A	Light Industrial	M-C5	N	N/A	N/A	1,385	SM	N/A		N/A		12/15/94 13:55	310	1/18/95 10:00	280	2/14/95 11:20	290	3/21/95 10:30	290	293
71	Light Industrial	Cochrane Circle, Morgan Hill, CA 95027	N/A	Light Industrial	M-C5	N/A	N/A	N/A	N/A	SM	N/A		N/A		12/5/94 11:40	610	1/19/95 11:45	800	2/8/95 10:40	490	3/20/95 10:44	700	650
72	Evergreen Park	370 W. Dunne, Morgan Hill, CA 95027	(408) 779 - 7391	Medical Complex	M-C6	N/A	N/A	N/A	912	SM	N/A		N/A		12/8/94 10:20	1060	1/18/95 10:30	360	2/8/95 13:50	430	3/21/95 14:15	560	603
73	Good Samaritan Foundation	16130 Medical Center Dr., Morgan Hill, CA 95027	(408) 779 - 9992	Medical Center	M-C6	N	N/A	N/A	3,809	SM	N/A		N/A		12/8/94 14:25	450	1/19/95 10:50	380	2/14/95 14:20	360	3/20/95 15:40	330	380
74	Hale Medical	17705 Hale, Morgan Hill, CA 95027	N/A	Medical Center	M-C6	N	N/A	N/A	1,878	SM	N/A		N/A		12/5/94 14:15	450	1/19/95 10:30	540	2/8/95 13:20	400	3/21/95 11:30	450	460
75	La Morena	90 E 2nd Street, Morgan Hill, CA 95027	(408) 778 - 0344	Bakery	M-C7	Y	N/A	N/A	864	N/A	N/A		N/A		12/27/94 11:10	740	1/19/95 10:40	440	2/14/95 11:30	340	3/21/95 12:45	430	488
76	O'Henry's Donuts	500 Vineyard Town Center, Morgan Hill, CA 9502	(408) 778 - 5955	Bakery	M-C7	N	N/A	N/A	176	N/A	N/A		N/A		12/27/94 11:45	510	1/19/95 13:30	280	2/14/95 13:30	340	3/23/95 10:00	390	380
77	Pink Elephant	16915 Monterey, Morgan Hill, CA 95027	(408) 778 - 9088	Bakery	M-C7	N	N/A	N/A	807	N/A	N/A		N/A		12/8/94 11:30	350	1/18/95 11:45	410	2/8/95 14:15	370	3/20/95 14:45	550	420
78	Luckys	16955 Monterey Rd., Morgan Hill, CA 95027	(408) 779 - 1420	Supermarket	M-C8	Y	Y	N	1,711	N/A	N/A		N/A		12/8/94 11:45	340	1/18/95 11:45	470	2/8/95 14:00	610	3/20/95 14:50	520	485
79	Nob Hill	200 W. Main, Morgan Hill, CA 95027	(408) 842 - 3546	Supermarket	M-C8	Y	Y	N	N/A	N/A	N/A		N/A		12/27/94 10:45	320	1/19/95 9:45	370	N/A		3/20/95 11:52	540	410
80	Safeway	840 E. Dunne, Morgan Hill, CA 95027	(408) 776 - 8720	Supermarket	M-C8	Y	Y	N	10,136	TM	N/A		N/A		12/15/94 14:05	750	1/18/95 10:10	610	2/15/95 11:15	795	3/21/95 10:15	580	684
81	Chevrolet	19490 Monterey Rd., Morgan Hill, CA 95027	(408) 779 - 5547	Auto Dealer	M-C9	N	N/A	N/A	826	N/A	N/A		N/A		12/5/94 12:35	390	1/19/95 11:30	370	2/8/95 10:55	340	3/20/95 10:30	350	363
82	Dan Gamel	16725 Condit Rd., Morgan Hill, CA 95027	(408) 779 - 8220	Auto Dealer	M-C9	N	N/A	N/A	4,400	TM	N/A		N/A		12/15/94 14:25	640	1/19/95 12:03	410	2/14/95 10:45	400	3/21/95 8:30	420	468
55	Cochrane Circle	Cochrane Rd., Morgan Hill, CA 95027	N/A	Shopping Center	M-C10	N	N/A	N/A	3,940	SM	N/A		N/A		12/5/94 10:30	480	1/19/95 14:15	730	2/9/95 9:40	460	3/21/95 9:50	530	550
56	Nob Hill	255 Main St., Morgan Hill, CA 95027	N/A	Shopping Center	M-C10	N	N/A	N/A	422	SM	N/A		N/A		12/5/94 14:00	320	1/19/95 9:30	310	2/8/95 13:05	320	3/21/95 11:15	330	320
57	Tennant Station	404 Tennant Rd., Morgan Hill, CA 95027	N/A	Shopping Center	M-C10	N/A	N/A	N/A	17,385	SM	N/A		N/A		12/15/94 11:35	390	1/8/95 12:45	370	2/14/95 13:25	480	3/23/95 10:15	530	443
58	Vineyard Town Center	Monterey St., Morgan Hill, CA 95027	N/A	Shopping Center	M-C10	N/A	N/A	N/A	27,653	SM	N/A		N/A		12/15/94 11:05	390	1/18/95 12:30	530	2/14/95 13:15	340	3/23/95 9:00	470	433
83	Wiltron	490 Jarvis, Morgan Hill, CA 95027	(408) 778 - 2000	Electrical Mfg.	M-I1	Y	Y	N/A	52,261	SM	7/23/92	210	7/28/93	350	12/5/94 11:00	463	N/A		2/9/95 10:05	390	3/20/95 11:00	425	368
84	B.A.S. Sheetmetal Inc.	16170 Jacqueline Ct., Morgan Hill, CA 95027	(408) 779 - 5058	Metal Finishing	M-I2	N	N	N	5,161	TM	N/A		N/A		12/7/94 9:00	460	1/19/95 11:15	750	2/14/95 11:45	510	3/23/95 10:35	840	640
85	St. Louise Hospital	N/A	N/A	Hospital	M-I3	N/A	N/A	N/A	8,495	SM	N/A		N/A		12/15/94 13:35	330	1/19/95 13:30	390	2/14/95 10:20	480	3/21/95 9:20	340	385
86	Claremont & Peak	440 Claremont, Morgan Hill, CA 95027	N/A	Residence	M-R1	N	N/A	N/A	N/A	SM	N/A		N/A		12/5/94 14:28	510	1/19/95 10:00	630	2/8/95 13:15	420	3/21/95 1:10	430	498
87	Del Monte & Foothill	160 Foothill, Morgan Hill, CA 95027	N/A	Residence	M-R2	N/A	N/A	N/A	N/A	SM	N/A		N/A		12/8/94 12:50	350	1/19/95 15:30	260	2/8/95 14:20	320	3/21/95 14:30	260	298
88	Sorrel Way & Dunne	Dunne/Sorrel, Morgan Hill, CA 95027	N/A	Resdiential	M-R4	N	N/A	N/A	N/A	SM	N/A		N/A		12/15/94 13:05	335	1/19/95 12:10	390	2/14/95 10:05	450	3/21/95 8:40	400	394
89	Residence	200 Burnett Ave., Morgan Hill, CA 95027	N/A	Residence	M-R5	Y	Y	N/A	N/A	SM	N/A		N/A		12/30/94 13:00	540	1/19/95 11:30	510	2/9/95 11:00		3/20/95 10:31	340	463
90	Acme Septic	N/A	N/A	Septic Tank	Sep	N	N/A	N/A	126	N/A	N/A		N/A		12/16/94 14:30	5900	1/27/95 0:00	3820	N/A		N/A		4860
91	AJAX Septic	N/A	N/A	Septic Tank	Sep	N	N/A	N/A	150	N/A	N/A		N/A		N/A		1/6/95 15:40	8020	2/3/95 0:00	7840	3/24/95 14:00	5100	6987
92	Al's Septic	N/A	N/A	Septic Tank	Sep	N	N/A	N/A	224	N/A	N/A		N/A		12/21/94 7:20	1217	1/11/95 0:00	1890	N/A		N/A		1554
93	Jim's Septic	N/A	N/A	Septic Tank	Sep	N	N/A	N/A	435	N/A	N/A		N/A		12/8/94 9:28	719	1/17/95 0:00	794	2/27/95 0:00	606	3/14/95 12:25	7780	2475
94	Morton's Septic	N/A	N/A	Septic Tank	Sep	N/A	N/A	N/A	32	N/A	N/A		N/A		N/A		N/A		2/23/95 0:00	2553	N/A		2553
Average																648		694		662		661	761
Maximum																5900		8020		7840		7780	6987
Minimum																200		200		210		100	205

(a)

G - Gilroy	C1 - Fast Food/Restaurants
M - Morgan Hill	C2 - Car Washes
	C3 - Schools
C - Commercial	C4 - Laundromats
I - Industrial	C5 - Industrial (Light) Parks
R - Residential	C6 - Medical/Dental Complexes
Sep - Septic	C7 - Bakeries
	C8 - Supermarkets
	C9 - Auto Dealerships/Body Shops
	C10 - Shopping Centers

(b)
TM - Test Manhole
SB - Sample Box
SM - Sewer Manhole

(c) Samples in excess of Regional Board limit are shaded. Regional Board TDS limit is Water Supply TDS + 370 mg/L. Average water supply TDS concentration of 359 mg/L (1/88 - 3/95) is used for comparison.

field sampling are included in Appendix D. The TDS data from the investigation is summarized by facility category and community in Table 2-3. The wastewater flows for the various commercial/industrial facilities were estimated using the water supply billing records. Copies of the water supply records are also included in Appendix D. Adjustments were made to individual facilities' water supply records to reflect the expected wastewater flow based on engineering judgment. Flow data for the individual commercial/industrial facilities sampled is summarized in Table 2-4. The estimate of TDS mass loadings (for various categories such as commercial, industrial, etc.) in the municipal influent presented in Table 2-5 have been refined using the data collected in this investigation.

Municipal Effluent TDS

Sources of municipal effluent TDS discharges include commercial facilities, industrial discharges, residential and trucked-in septage. Based upon the investigation, it is estimated that about 5,480 tons of TDS are discharge to the municipal WWTP each year. A graphical summary of the TDS contributions from each category is presented in Figure 2-4. It appears that the ambient TDS present in the communities' groundwater supply is the largest contributor of TDS loadings in the municipal effluent, accounting for almost 50 percent of the TDS load observed in the municipal wastewater. The residential, commercial, and industrial activities contribute approximately 33, 6, and 11 percent of the total annual TDS load, respectively. It should be noted that these figures represent the consumptive use TDS resulting from the various residential, commercial and industrial activities. Septage facilities contribute less than one percent of the total annual TDS load.

A discussion of the TDS discharges from commercial, industrial, residential and septage sources TDS is presented below.

Commercial Facilities. As shown on Figure 2-5, the average TDS concentration of commercial facilities sampled varies between 400 to 720 mg/L. The average TDS concentration in the commercial category was about 560 mg/L. Review of the data indicates that three commercial categories exceeded the average TDS concentration and they are as follows:

- Fast food/restaurants
- Laundromats
- Supermarkets

TABLE 2-3

TDS SURVEY DATA SUMMARY BY FACILITY CATEGORY AND COMMUNITY
South County Regional Wastewater Authority

Group	Number of Facilities Sampled	Average TDS Concentration (mg/L)					
		Previous	December	January	February	March	Average
COMMERCIAL							
Fast Food/Restaurants							
Gilroy	6		805	1,009	648	667	782
Morgan Hill	6		689	540	637	640	626
Combined Average	12		747	775	643	653	704
Car Washes							
Gilroy	4		340	318	675	325	414
Morgan Hill	3		407	367	350	313	359
Combined Average	7		369	339	536	320	391
Schools							
Gilroy	4		415	538	563	525	510
Morgan Hill	3		663	593	553	570	595
Combined Average	7		521	561	559	544	546
Laundromats							
Gilroy	3		1,247	807	647	627	832
Morgan Hill	3		440	370	380	1,210	600
Combined Average	6		843	588	513	918	716
Light Industrial							
Gilroy	6		420	505	448	447	455
Morgan Hill	4		478	563	360	555	489
Combined Average	10		443	528	419	490	470
Medical/Dental Complexes							
Gilroy	2		360	304	585	400	412
Morgan Hill	3		653	427	397	447	481
Combined Average	5		536	378	472	428	453
Bakeries							
Gilroy	2		910	1,020	660	425	754
Morgan Hill	3		533	377	350	457	429
Combined Average	5		684	634	474	444	559
Supermarkets							
Gilroy	4		673	778	1,015	403	717
Morgan Hill	3		470	483	703	547	551
Combined Average	7		586	651	911	475	656
Auto Dealers/Shops							
Gilroy	3		340	357	450	353	375
Morgan Hill	2		515	390	370	385	415
Combined Average	5		410	370	418	366	391
Shopping Centers							
Gilroy	3		427	514	463	530	484
Morgan Hill	4		395	485	400	465	436
Combined Average	7		409	497	427	493	457
Gilroy	37		585	630	615	485	579
Morgan Hill	34		534	472	460	568	509
Combined Average	71		580	566	555	542	561
INDUSTRIAL							
Gilroy	6	2,775	1,117	830	917	663	1,260
Morgan Hill	3	280	418	570	460	535	453
Combined Average	9	2,321	884	765	764	621	1,071
RESIDENTIAL							
Gilroy	4		435	336	423	525	430
Morgan Hill	4		434	448	397	358	409
Total	8		434	392	411	441	420
Septic	5		2,612	3,631	3,666		3,303

(a) Facilities with average TDS concentrations in excess of 729 mg/L (RWQCB Limit = 370 mg/L + water supply)

TABLE 2-4

SUMMARY OF FLOW DATA
South County Regional Wastewater Authority

GROUP	Total Flow (gpd)		
	Gilroy	Morgan Hill	Combined Average
COMMERCIAL [(a)]			
Fast Food/Restaurants	24,120	18,440	42,570
Car Washes	6,470	7,230	13,710
Schools	7,480	15,360	22,850
Laundromats	25,210	18,720	43,930
Light Industrial	940	35,680	36,620
Medical/Dental Complexes	12,020	5,690	17,710
Bakeries	250	1,850	2,090
Supermarkets	11,230	1,710	12,940
Auto Dealers/Shops	2,450	5,230	7,680
Shopping Centers	11,870	49,400	61,260
Commercial Total	102,060	169,720	271,780
INDUSTRIAL [(a)]	202,170	65,920	268,080
SEPTAGE			970

(a) From water billing records for the various facilities. See Appendix D.

TABLE 2-5

ESTIMATE OF TDS SOURCE CONTRIBUTIONS
South County Regional Wastewater Authority

TDS Receiving Environment	Average TDS Concentration (mg/L)	Flow (mgd)	TDS Loading (lb/day)	TDS Loading (ton/yr)
Municipal Effluent [a]	703	5.05	29,623	5,406
FPWF Effluent (3 months/year) [b]	1388	1.48	17,125	781
FPWF Water Supply	359	1.48	4,430	202
Water Supply [a]	359	5.05	15,137	2,763
Residential (Consumptive) [c]	344	3.44	9,863	1,800
Commercial (Consumptive) [d]	202	1.08	1,811	330
Industrial (Consumptive) [e]	712	0.54	3,183	581
Septic [f]	3,303	0.00	30	5
Total Annual TDS Load Applied to Land				6,463

Σ = 6389

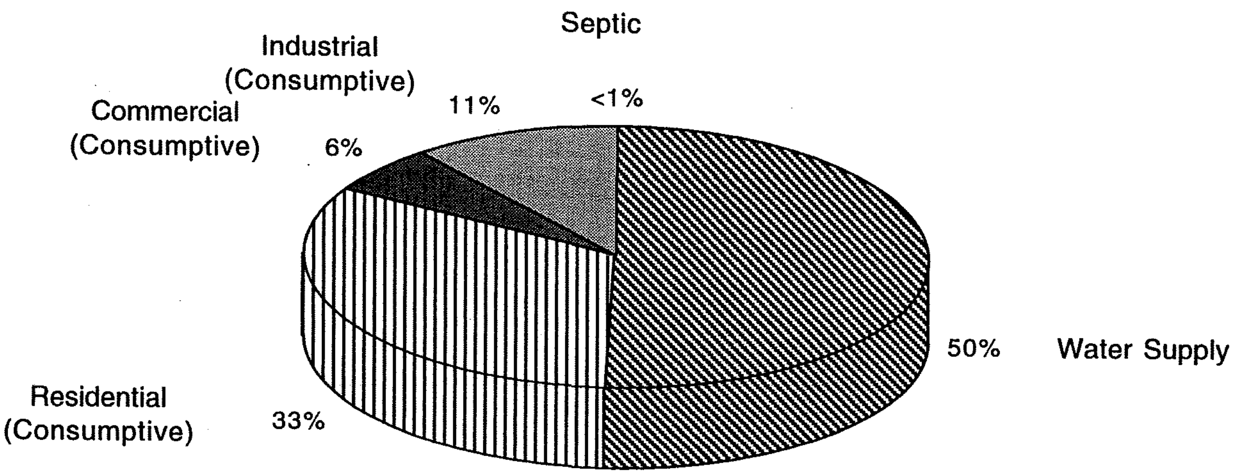
6462

Σ = 5479

(a) Municipal effluent and water supply TDS concentration and flow is averaged for 1994.
(b) FPWF TDS concentration represents the additional increases to the food process water supply TDS.
(c) Residential flow is estimated as the difference between the municipal flow and commercial, industrial and septage flows. Residential TDS concentration is the consumptive portion.
(d) The commercial flow is estimated assuming the restaurant flow is 15 times the sampled restaurant flow and the remaining commercial flow is two times the sampled commercial flow. Commercial TDS concentration is the consumptive portion.
(e) Industrial flow is estimated to be two times the sampled industrial flows. Industrial TDS concentration is the consumptive portion.
(f) Septic flow is estimated to be 110 percent of the reported septage flows.

FIGURE 2-4

MUNICIPAL EFFLUENT TDS LOADING
South County Regional Wastewater Authority



Annual Municipal TDS Load = 5,479 tons/year

TDSSourceWS Chart 4 TDSSourceWS Chart 4
4/13/95 11:53 AM

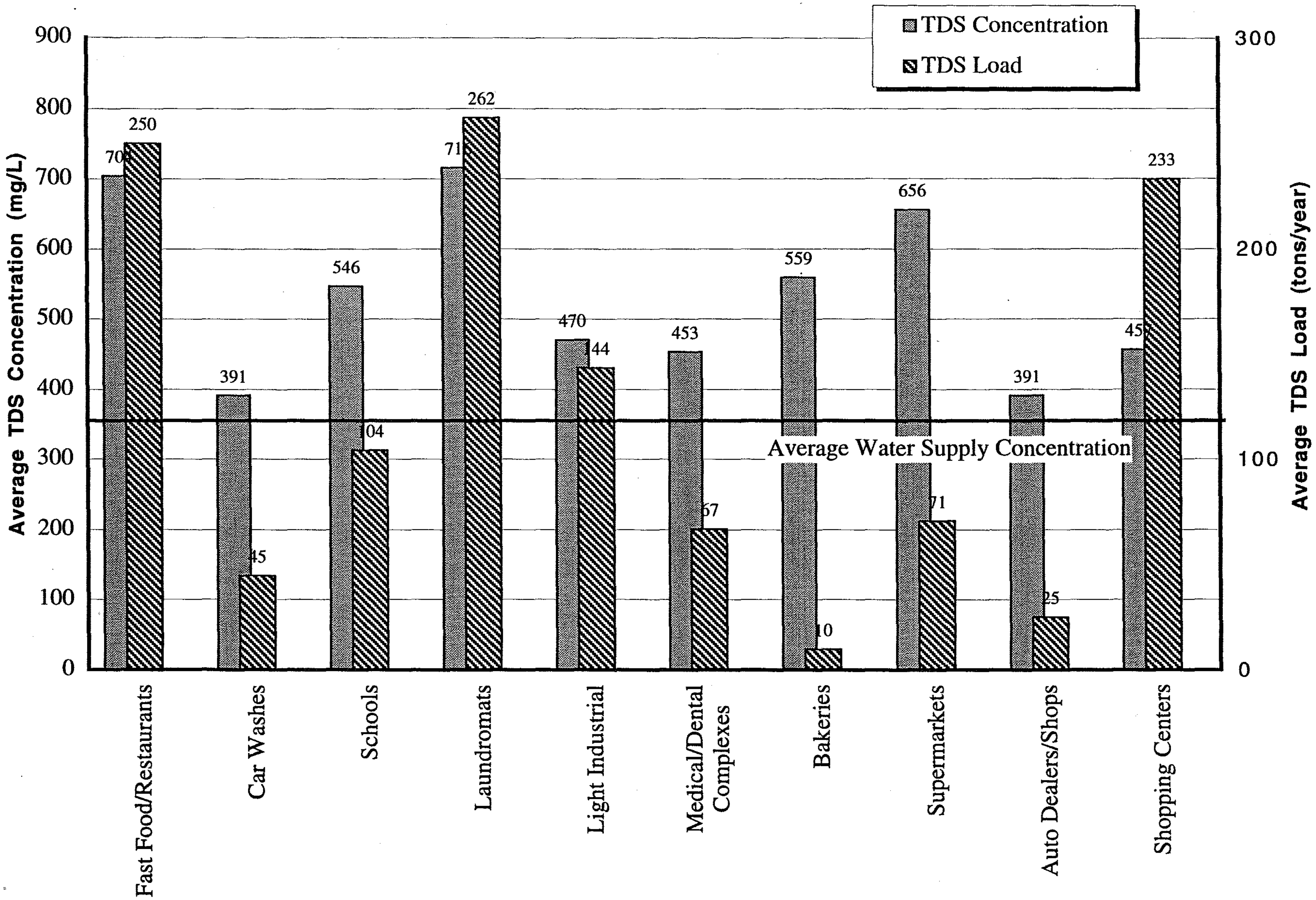


FIGURE 2-5

SUMMARY OF COMMERCIAL DISCHARGERS TDS CONCENTRATIONS AND LOADINGS
South County Regional Wastewater Authority

TDSSamplingData.WS
4/27/95 9:53 AM

It should be noted that using the concentration-based approach for targeting prominent TDS discharges may not account for the TDS impacts of water conservation. A literature review on the laundry and food processing industry indicated that there is a strong emphasis on improved water use and conservation (DWR Bulletin, 1989). As a direct result of such measures, TDS concentrations tend to increase in the discharges. Therefore, to improve the accuracy of this analysis, a mass-based approach is used in this analysis.

The average commercial TDS mass loads are also presented in Figure 2-5. This indicates that commercial facilities, such as bakeries and auto dealers, do not have as large TDS mass impacts as is indicated by their average TDS concentration. Based on the TDS mass loads presented in Figure 2-5, fast food/restaurants, laundromats, light industrial, and shopping centers have the greatest impact on TDS loads. Shopping centers collectively represent flows from restaurants, laundromats, supermarkets, etc. The flow data for the individual businesses in the shopping centers was not available. In addition, the flow data for schools was reduced to account for the irrigation use of the water supply (Montgomery Watson, February 1995). The range of TDS concentrations sampled during the four month study is presented in Table 2-6. A graphical illustration of the data (by commercial category) is presented in Figure 2-6. TDS concentrations from the various commercial discharges were analyzed over the time of the investigation to identify any temporal or seasonal variations. The data showed no discernible trends over the four-month duration of the study.

Industrial. Industrial categories included electronic manufacturing, metal finisher, container manufacturing, commercial laundry, water softening, seed coat processing and hospitals. The data collected from the various industrial facilities is summarized in Table 2-7. Industrial TDS concentrations and mass loads are presented in Figure 2-7. As shown in Figure 2-7, four of the ten industrial facilities had relatively high TDS concentration discharges.

Based upon a mass TDS loading approach, it is apparent that the commercial laundries have a significant TDS load. Review of the mass TDS loads from the fiberboard manufacturing seed coat manufacturing and water softener facility indicate relatively small TDS loads to the municipal effluent. It should be noted that the mass loadings were determined using the respective City's water billing records. It is possible that the fiberboard manufacturing and the seed coat manufacturing facilities supplement the City water with on-site wells. In this case, the overall mass loading could be significantly higher. Therefore, both these facilities are targeted as prominent TDS discharges. Accurate flow data was unavailable for Servisoft, the

TABLE 2-6

TDS CONCENTRATION RANGE
South County Regional Wastewater Authority

Group	TDS Concentration (mg/L)		
	Average	Minimum	Maximum
COMMERCIAL			
Fast Food/Restaurants			
Gilroy	782	450	1,600
Morgan Hill	626	340	1,610
Combined Average	704	340	1,610
Car Washes			
Gilroy	414	340	670
Morgan Hill	359	310	730
Combined Average	391	310	730
Schools			
Gilroy	510	250	1,000
Morgan Hill	595	210	540
Combined Average	546	210	1,000
Laundromats			
Gilroy	832	130	1,400
Morgan Hill	600	190	910
Combined Average	716	130	1,400
Light Industrial			
Gilroy	455	270	1,300
Morgan Hill	489	290	720
Combined Average	470	270	1,300
Medical/Dental Complexes			
Gilroy	412	300	740
Morgan Hill	481	280	840
Combined Average	453	280	840
Bakeries			
Gilroy	754	308	1,500
Morgan Hill	429	360	1,060
Combined Average	559	308	1,500
Supermarkets			
Gilroy	717	320	1,610
Morgan Hill	551	280	740
Combined Average	656	280	1,610
Auto Dealers/Shops			
Gilroy	375	200	760
Morgan Hill	415	340	610
Combined Average	391	200	760
Shopping Centers			
Gilroy	484	300	1,250
Morgan Hill	436	320	795
Combined Average	457	300	1,250
Gilroy	579	200	1,610
Morgan Hill	509	210	1,610
Combined Average	561	200	1,610
INDUSTRIAL			
Gilroy	1,260	280	3,400
Morgan Hill	453	330	750
Combined Average	1,071	280	3,400
RESIDENTIAL			
Gilroy	430	260	940
Morgan Hill	409	260	630
Total	420	260	940
Septic	3,303	606	8,020

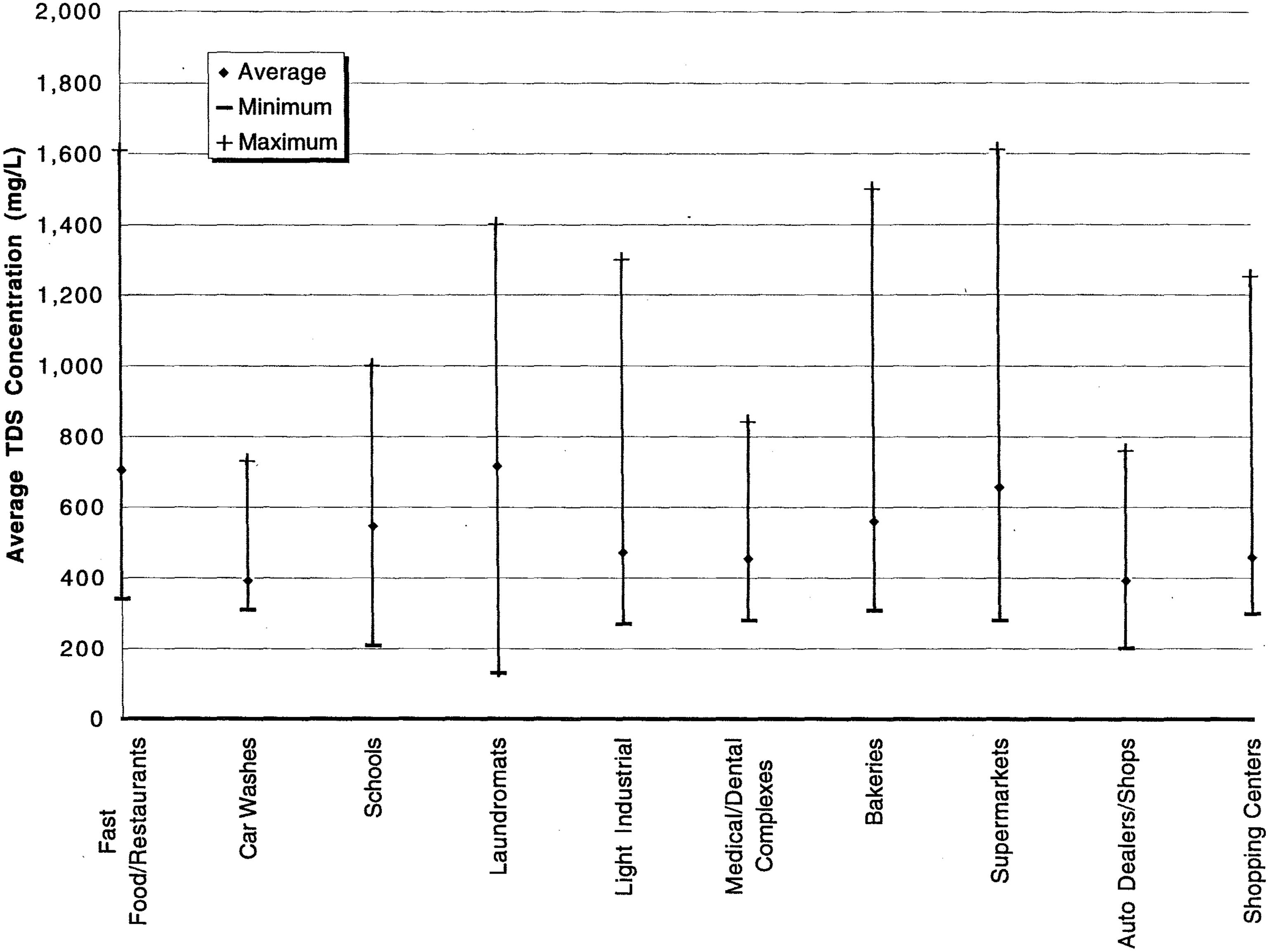


FIGURE 2-6

SUMMARY OF TDS CONCENTRATION RANGE BY COMMERCIAL CATEGORY
South County Regional Wastewater Authority

TDSSamplingData.WS TDSConcRanges.FigX
4/13/95 1:12 PM

TABLE 2-7

SUMMARY OF INDUSTRIAL TDS CONCENTRATIONS
South County Regional Wastewater Authority

Industry	Industry Type	Location	TDS Concentration, (mg/L)						Average Flow	Average TDS Load
			Previous	December	January	February	March	Average	(gpd)	(lb/d)
83 Wiltron	Electrical Mfg.	Morgan Hill	280	463	N/A	390	425	389	52,261	170
85 St. Louise Hospital	Hospital	Morgan Hill	N/A	330	390	480	340	385	8,495	27
38 Dusan	Metal Finishing	Gilroy	555	540	650	400	530	535	2,028	9
84 B.A.S. Sheetmetal Inc.	Metal Finishing	Morgan Hill	N/A	460	750	510	840	640	5,161	28
40 South Valley Hospital	Hospital	Gilroy	N/A	560	620	600	430	553	19,345	89
41 Seed Systems	Seed Coating Products	Gilroy	2,823	280	310	640	420	895	1,085	8
39 Gaylord Container Corp.	Fiberboard Mfg.	Gilroy	N/A	1,250	1,000	900	1,410	1,140	22,000	209
44 Lohmar	Commercial Laundry	Gilroy	1,415	N/A	N/A	N/A	300	858	130,000	930
43 Cintas Corp.	Comm. Laundry	Gilroy	6,100	670	920	1,050	440	1,836	27,680	424
42 ServiSoft	Water Softener	Gilroy	3,186	3,400	1,480	1,910	750	2,145	30	1

(a) Percent exceedence with current Regional Board Limit (water supply + 370mg/L) during TDS Investigation.

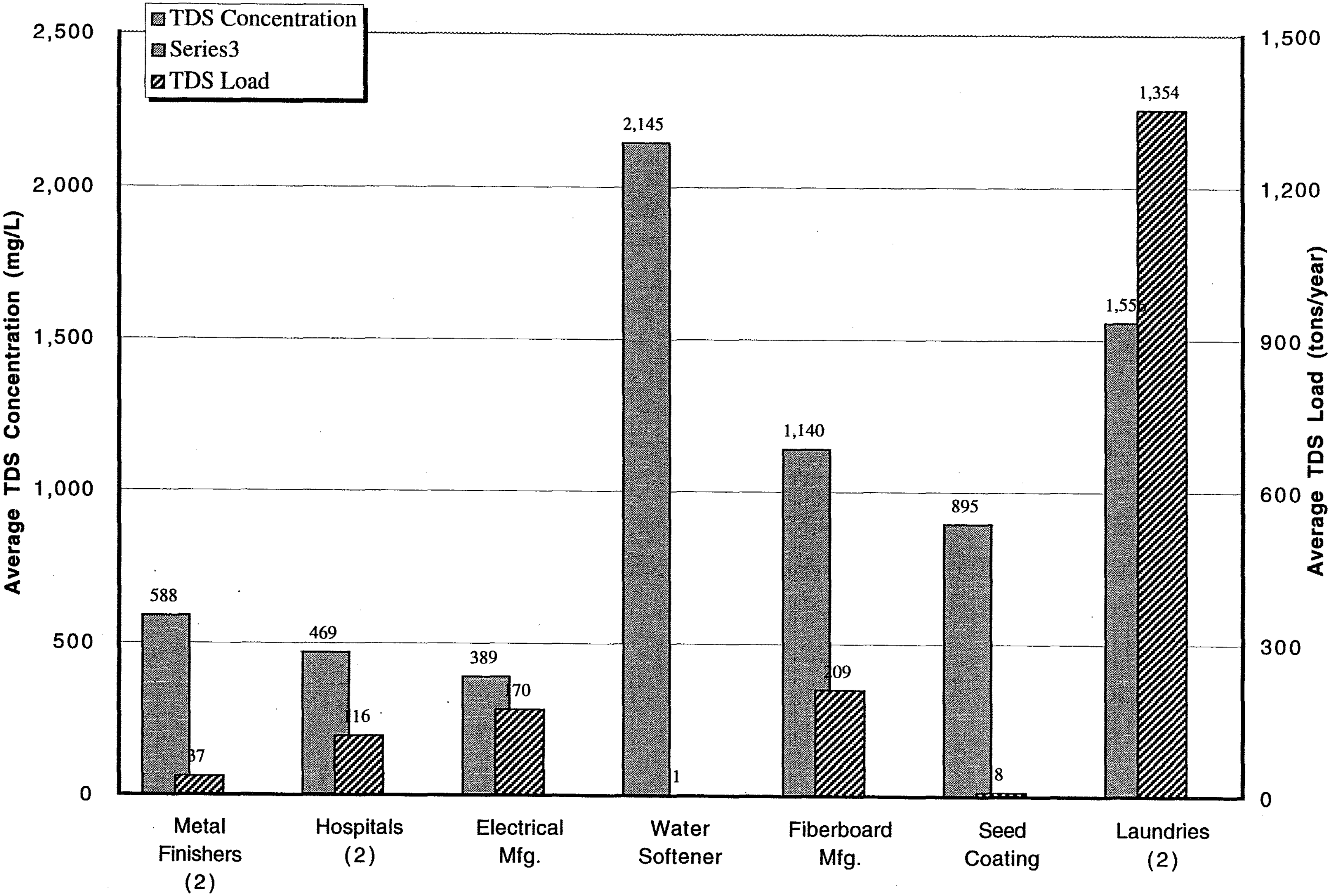


FIGURE 2-7

SUMMARY OF INDUSTRIAL TDS CONCENTRATIONS AND LOADINGS
South County Regional Wastewater Authority

TDSSamplingData.WS
4/13/95 11:59 AM

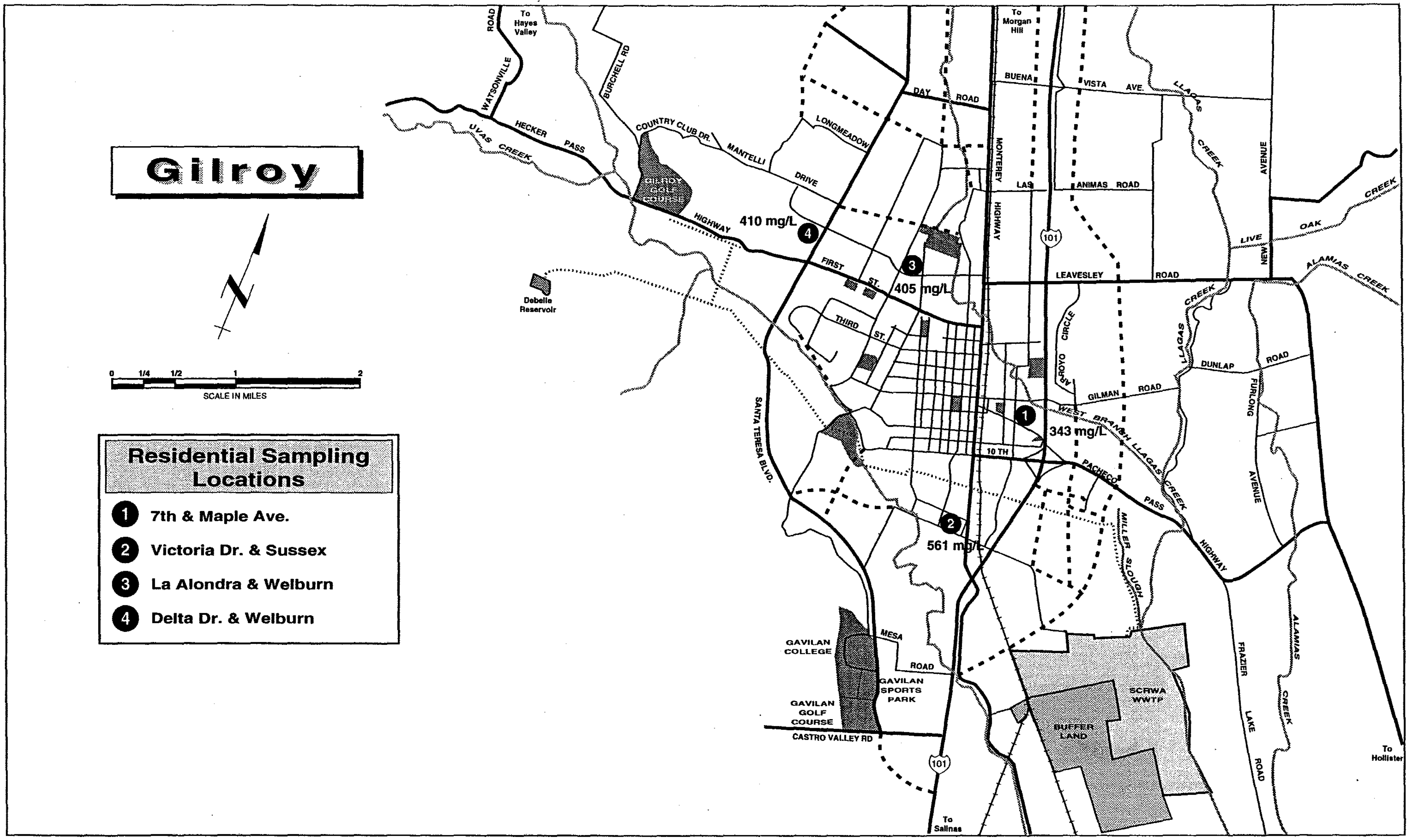
water softening facility. However, based upon the type of operation, this facility is also included to the list of prominent TDS dischargers. The targeted facilities are candidates for TDS reduction BMPs.

Residential. Activities that contribute to residential TDS discharges include cooking, cleaning, garbage grinders, dish washing, bathroom cleaning, bathing, toilets, swimming pools, and self-regenerative water softeners. It was speculated that wealthier neighborhoods had higher TDS contributions as a result of discharges from swimming pools, self-regenerative water softeners, etc. Hence, this effort was limited to trunk sewer sampling that represented several residences. It should be recognized that the flows could also be impacted by infiltration/inflows to the sewer as this investigation was conducted between the winter months of December 1994 through March 1995. This study did not monitor individual households.

The residential samples had an average TDS concentration of 420 mg/L. This data indicates that the consumptive contribution from residential activities is about 60 mg/L. Based upon the various activities that contribute to residential TDS discharges, it appears that the residential consumptive estimate may be low. In any case, the data does not appear to be conclusive regarding socio-economic differences within the service-area. The locations of the trunk sampling for the City of Gilroy is presented in Figure 2-8 and for the City of Morgan-Hill is presented in Figure 2-9. Further investigation, such as improved characterization of the flow stream, is required to improve the accuracy of this analysis.

As indicated earlier, there are several household activities such as bathing, cooking, cleaning, laundry, dishwashing, swimming pools, water softeners, etc., that contribute to residential TDS discharges. Since self-regenerating water softeners were speculated to be a potentially significant source of residential TDS discharges, this analysis aims to quantify the TDS contributions from self-regenerating water softeners. Based upon informal discussions with water softener vendors, it is estimated that about 15 percent of the households in the Gilroy/Morgan Hill service-area use self-regenerating water softeners to treat their entire household water supply. Other estimates have indicated that the water softener use may be as high as 40 percent. An accurate determination of residential water softener use and softener type is extremely difficult. It should also be noted that some of the residents use non-self-regenerating water softeners and others may consume bottled water for their drinking needs.

A review of water softener literature and discussions with the Water Quality Association (WQA) indicated that there are essentially two types of self-regenerating water softeners and



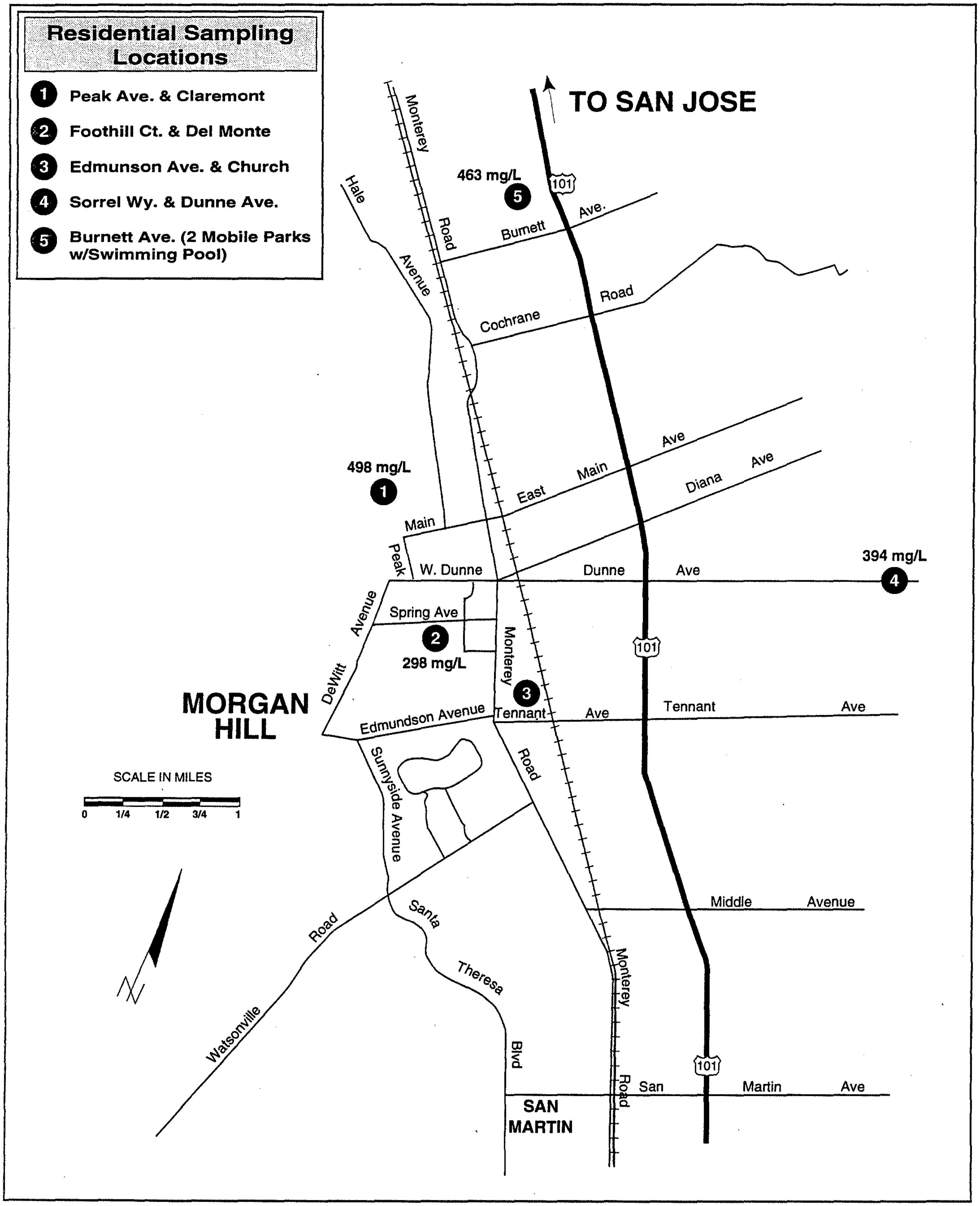
1443.0030 SCRWA (4/95) GDD

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

LOCATION OF RESIDENTIAL SAMPLING LOCATIONS IN GILROY

FIGURE 2-8

MONTGOMERY WATSON



1443.0030 SCRWA (4/95) GDD

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

LOCATION OF RESIDENTIAL SAMPLING LOCATIONS IN MORGAN HILL

FIGURE 2-9

MONTGOMERY WATSON

they are: (i) Time clock regeneration (TCR) and (ii) Demand initiated regeneration (DIR). The TCR softener has a timer that tells the unit when to regenerate with the period between regeneration varying from 48 hours to as long as one week. The DIR softener, however, regenerates based upon actual need. This can be accomplished a number of ways; one is to continuously measure the amount of water that has passed through the ion-exchange resin, with regeneration set to occur when a pre-determined quantity of water has been softened, while another utilizes a hardness sensor that continually monitors the level of calcium and magnesium in the product water. The annual salt use in the DIR units is significantly lower than the TCR units and can be as low as 50 percent of TCR units (Water Quality Association, 1991). In general, all types of self-regenerating water softeners are required by California law to achieve a salt efficiency rating of no less than 2850 grains of hardness removed per pound of salt used in regeneration. Discussions with a regional supplier of home water softeners indicated that the salt efficiency rating of the commercial units exceeded the State criteria of 2850 grains of hardness removed per pound of salt used. A brochure of a commercially available self-regenerating water softener is included in Appendix E.

In 1993, the service area population was about 58,398 people with a population density of 3.31 per household (Montgomery Watson, November 1993). Using the assumption that 15 percent of the residential population has self-regenerative water softeners, the total number of residential self-regenerating water softeners used in the Gilroy/Morgan Hill area is estimated at about 2,650 units. Since the residential TDS data from this investigation was low, a conservative assumption of residential TDS concentration of 344 mg/L was used in this analysis, calculated as the difference between the average WWTP influent TDS and the water supply TDS concentration. The annual salt consumption for water softeners is dependent upon the initial and desired hardness of the drinking water.

Table 2-8 and Figure 2-10 present the estimate of the breakdown of residential TDS load. Using the data presented in Table 2-5, an annual residential TDS load of 1,800 tons is estimated. The Gilroy/Morgan Hill drinking water supply has a relatively high hardness of about 220 mg/L (as CaCO3). It is assumed that the treated water hardness is about 60 mg/L (as CaCO3). Literature review indicates that the average frequency of generation is about once every 4 to 6 days. Approximately, 50 gallons of water and 5.5 to 7 pounds of salt are consumed during a typical regeneration cycle. This translates to an annual salt consumption for a self-regenerating water softener of about 500 pounds (Utah Study). Using this assumption, the total TDS contribution (from residential self-regenerating water softeners) to the

TABLE 2-8

ESTIMATE OF RESIDENTIAL TDS LOAD
South County Regional Wastewater Authority

	Parameter	Units	Value
1	Municipal Effluent (a)	mg/L	703
2	Water Supply (a)	mg/L	359
3	Residential (consumptive) (b)	mg/L	344
4	Total Municipal Flow	mgd	5.05
5	Residential Flow	mgd	3.44
6	Total Residential Salt Load (c)	lb/d	9,863
7	Annual Residential TDS Load	tons/year	1,800
8	Percentage of Softeners		15%
9	Unit Water Softener Load	tons/year/softener	0.25
10	Number of People Per Household (d)	people/household	3.31
11	1993 Service Area Population (d)	people	58,398
12	Annual Water Softener TDS Load (e)	tons/year	662
19	Percent of Residential TDS Load Due to Softeners (f)		37%

(a) Average value for 1994.
(b) [1] - [2]
(c) [3] * [5] * 8.34
(d) Phase II Predesign Report, Montgomery Watson, November 1993
(e) [9] * [8] * [11] / [10]
(f) [12] / [7] * 100

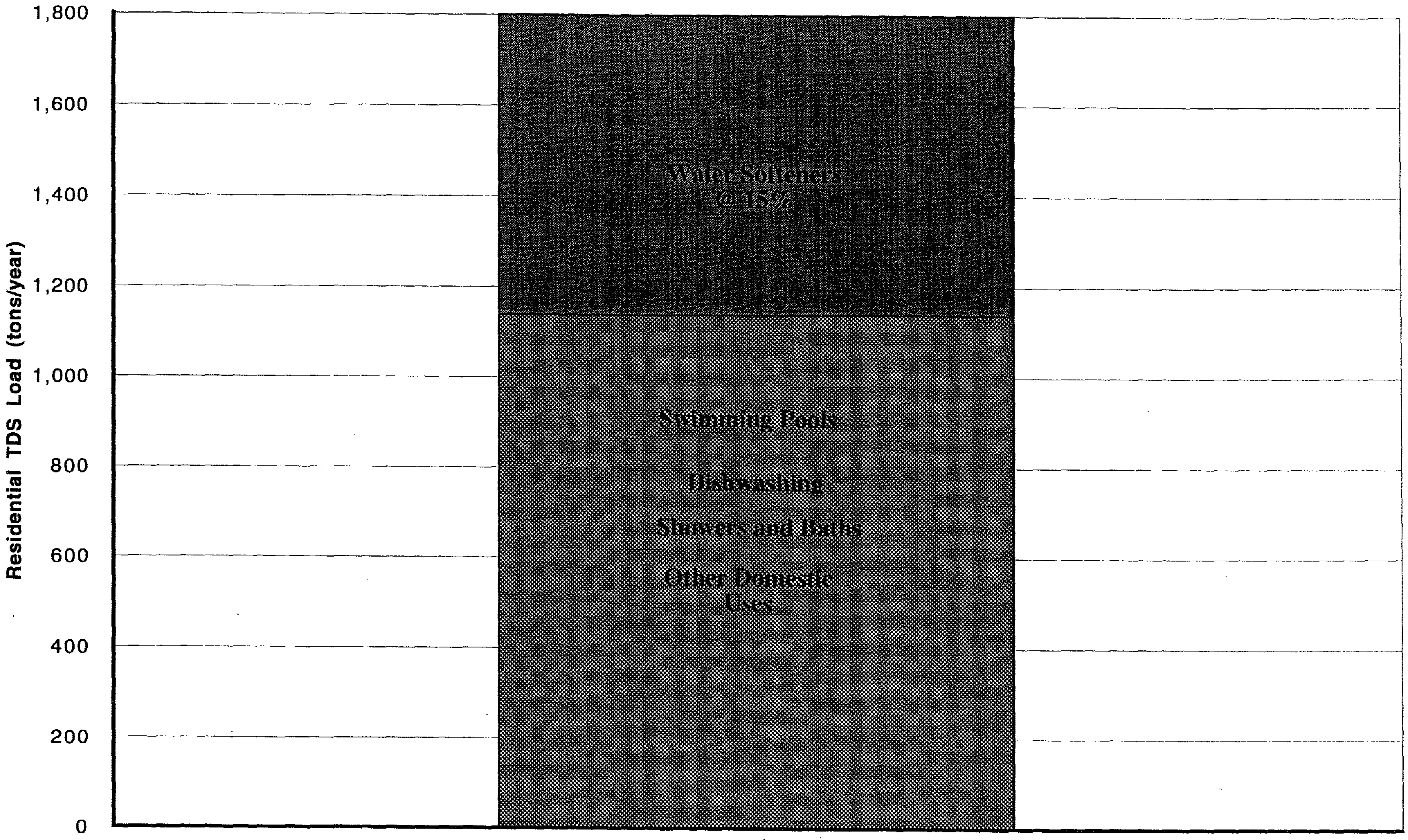


FIGURE 2-10

BREAKDOWN OF RESIDENTIAL TDS LOAD
South County Regional Wastewater Authority

Residential Component Chart 1
4/13/95 12:01 PM

Gilroy/Morgan-Hill WWTP is estimated at 663 tons per year, equivalent to about 13 percent of the total municipal TDS load.

now about 115,000 gal/mo (6-00)

Septage. There are about six to eight septage haulers that haul septage waste to the Gilroy/Morgan Hill WWTP. Based upon historical records, the annual septage flows to the Gilroy/Morgan Hill WWTP range between 320,000 gallons and 390,000 gallons. The septage haulers collect portable toilet wastes and septic tank cleanings from various locations in Santa Clara County. Since wastes are collected from various locations, the TDS concentrations from each truck is expected to differ significantly from each other. In general, septage received at the WWTP were observed to be the highest TDS concentration discharges to the Authority's treatment plant. The average septage TDS concentration sampled during the four month study was 3,370 mg/L. While the TDS concentration in the septage was relatively high, the mass loadings to the WWTP was <1 percent of the overall mass contributions to the WWTP. It should be noted that at this time the septage is discharged directly onto a storage/drying pond. However, with the commencement of the Phase I WWTP operations, trucked in septage will be discharged to the treatment plant headworks. For the purpose of this analysis it was assumed that septage is included with the municipal wastewater stream.

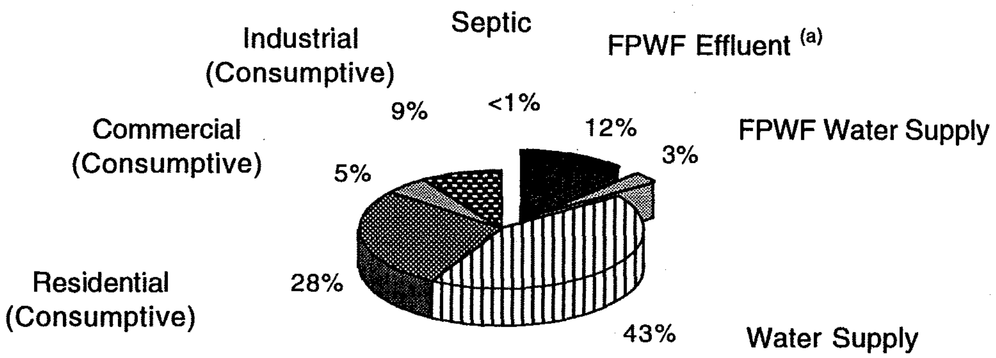
Food Process Wastewater Facility

In addition to the municipal effluent TDS contributions, additional TDS loadings are contributed from the Gilroy Food Processor Wastewater Facility (FPWF). The FPWF consists of 197 acres of percolation ponds adjacent the Authority's municipal percolation ponds. The FPWF provides wastewater treatment and disposal of tomato process wastewater from a local cannery, Gilroy Canning. The FPWF is operated seasonally between June through October. The annual food process wastewater loading rate is about 135 and 200 million gallons. Using a consumptive TDS concentration of 1,388 mg/L, the annual cannery TDS mass load is estimated at 780 pounds. Of the 6,460 tons of TDS applied annually to the Authority's percolation ponds, approximately 15 percent originates from the FPWF effluent. A graphic illustration of the total TDS applied to the percolation pond groundwater is presented in Figure 2-11.

As part of this investigation, a field inspection of the Gilroy Canning facility was conducted in November 1994 to identify the various wastewater streams. A schematic of the tomato processing operation at Gilroy Canning is presented in Figure 2-12. Tomatoes are trucked from the agricultural fields to Gilroy Canning, wherein the tomatoes are washed, graded and

FIGURE 2-11

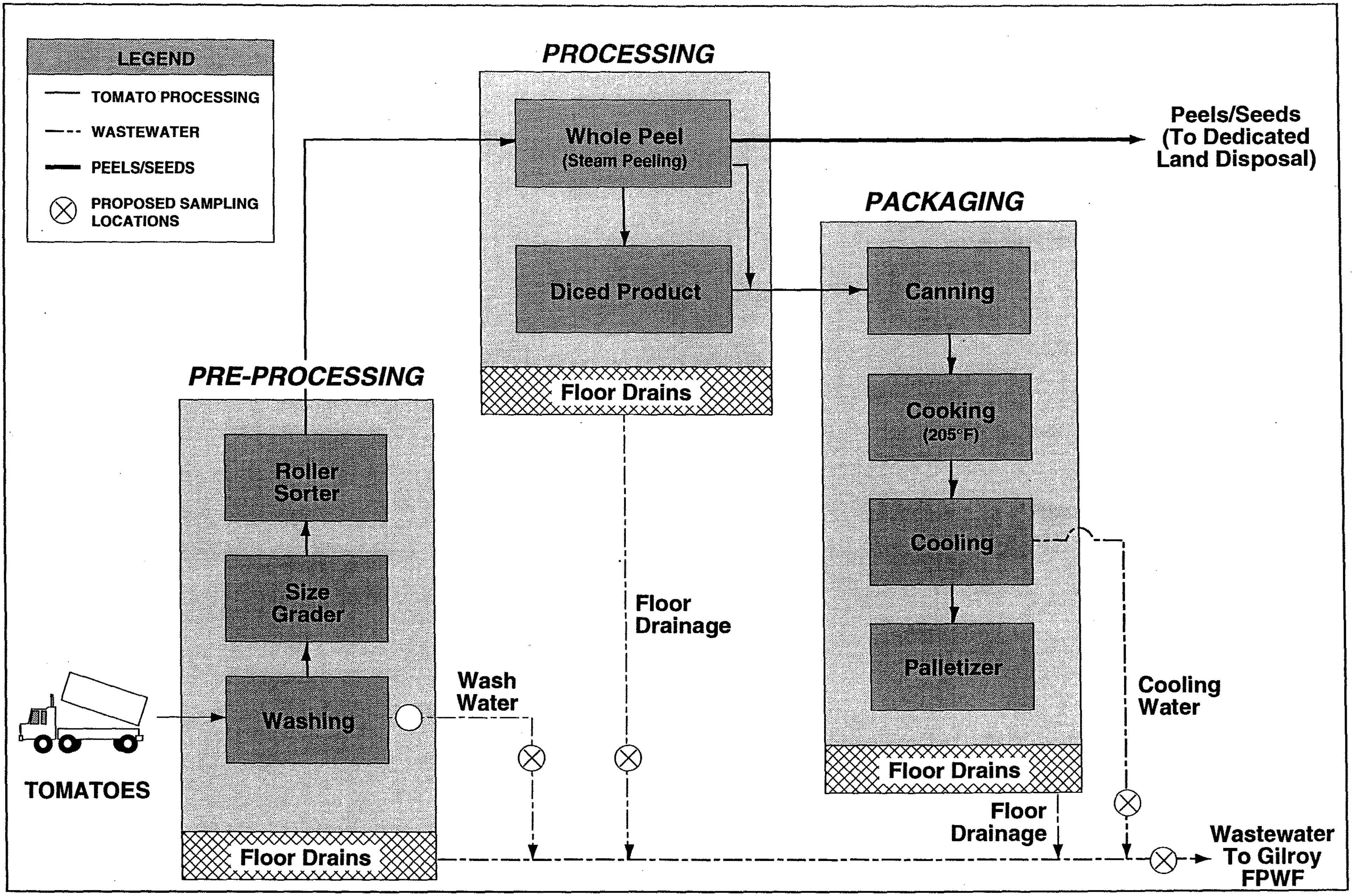
ANNUAL TDS LOADINGS TO PERCOLATION PONDS
South County Regional Wastewater Authority



Annual FPWF TDS Load = 983 tons/year

(a) Food processor discharge occurs June to September, with no discharge the remainder of the year.

TDSSourceWS Chart 2 TDSSourceWS Chart 2
4/28/95 10:23 AM



1443.0030 SCRWA (4/95) GDD

CITY OF GILROY FOOD PROCESS WASTEWATER FACILITIES

FLOWCHART OF TOMATO PROCESSING FACILITY

FIGURE 2-12

sorted. The washwater is passed through a settling clarifier prior to discharge to the Gilroy FPWF. Much of the soil and fines that are separated from the washwater are trucked to dedicated land disposal. Peels, skin and seeds from the tomato processing operation is also trucked to the dedicated land disposal and tilled in to the soil. However, some of this material spills to the floor and is washed with floor cleanings which drain to the FPWF. In addition, cooling tower blowdown is also discharged to the WWTP.

To reduce TDS reductions from Gilroy Canning, operations at the cannery will be reviewed during the upcoming 1995 food processing season. As shown in Figure 2-12, the various tomato processing facility wastewater streams will be sampled to identify significant TDS discharges. The wastewater flow streams are listed as follows:

- Wash water floor drain
- Processing area floor drain
- Cooling tower blowdown water
- Food process effluent

Following the cannery TDS audit, recommendations for overall TDS reduction to the FPWF will be made. It should be noted that Gilroy Canning has already completed significant improvements in 1993/1994 to their tomato processing operations. For example, the caustic peeling process has been replaced with the steam peeling process. Efforts such as these, have resulted in lower TDS discharges from the tomato peeling operation. However, it should be recognized that the TDS discharges are related to several factors beyond the control of the cannery. Some of these factors are the ripeness of the tomato, quantity processed, type of processing, etc. At this time, it is expected that improved housekeeping could potentially reduce some of the TDS discharges to the FPWF.

Section 3

MONTGOMERY WATSON

CHAPTER 3

BEST MANAGEMENT PRACTICES

This chapter presents a discussion of Best Management Practices (BMPs) for prominent sources of relatively high TDS discharges to the Authority's WWTP. Also included is a discussion of the impact of BMPs and water conservation on TDS reduction efforts.

PROMINENT TDS DISCHARGES

This TDS investigation has identified several prominent TDS dischargers as potential candidates for TDS reduction BMPs. The study monitored effluent discharges from 71 businesses broadly grouped under 10 commercial business categories; among them about three business categories were identified as prominent TDS dischargers. They are as follows:

- Restaurant/food service
- Laundromats
- Supermarkets

In addition, the industrial monitoring identified the following businesses as potential targets for BMP implementation. The industrial businesses are as follows:

- Water softener company - Servisoft
- Commercial laundry - Lomar
- Seed processing - Germain's seed coating
- Cardboard container manufacturing - Gaylord

The residential sampling data indicated that self-regenerative water softeners could be a potential source of high TDS discharges to the municipal effluent. As indicated earlier, limited information on the extent of self-regenerative water softener use in the Gilroy-Morgan Hill area is available. In addition, Gilroy Canning may also be identified as a significant TDS discharger to the percolation ponds at the Gilroy-Morgan Hill WWTP.

AVAILABLE TDS BMPs

An extensive literature search was conducted to identify existing BMPs for TDS reduction. In addition, other communities such as the Irvine Ranch were contacted for TDS reduction BMPs. As part of the literature search, the Bay Area Hazardous Waste Reduction Committee (BAHWRC) was also contacted. BAHWRC is a committee of the Local Government Commission that maintains an extensive database of pollution prevention resource materials in Oakland. In general, it was found that there were no available BMPs targeted specifically towards TDS reduction. However, BMPs developed for other pollution prevention purposes were available. General pollution prevention activities such as good housekeeping, spill prevention, etc. are expected to lower TDS discharges. Therefore, pollution prevention BMPs developed for restaurants, laundromats, were retrieved in the development of specific TDS BMPs for the Gilroy-Morgan Hill WWTP.

A copy of BAHWRC's database summary and various pollution prevention documents are included in Appendix F. A summary of the BMP documents that may be suitable for TDS BMPs are presented below.

- **Gilroy CCD -** In January 1995, the Gilroy CCD initiated a grease removal program targeted at all restaurant/food handling facilities and restaurants in the service area. As noted in Chapter 2, the restaurant businesses constitute 50 percent of the permitted commercial facilities in the Gilroy-Morgan Hill area. The grease removal program requires restaurants to provide a report of grease removal on a monthly basis to the CCD. This program should result in some TDS reduction in the discharge to the WWTP from these facilities. A list of all the restaurants in the Gilroy-Morgan Hill service area along with a copy of the grease removal reporting form is included in Appendix F.

- **Water Quality Protection Guidelines for Food Handling Facilities (Palo Alto Regional Water Quality Control Plant).** This document provides useful information for restaurants, cafeterias, grocery stores, and bakeries. The brochure focuses mainly on proper cleaning techniques, but also includes information on maintaining cooling towers and refrigeration equipment and landscape garden maintenance.

- **Recipes for Safe Household Cleaning Alternatives (Sunnyvale Water Pollution Control Plant).** This two page brochure presents directions for the production of non-toxic household cleaners for window cleaning, metal polishing, abrasive cleaners, air fresheners, mothballs, ants, and roaches.

- **Pollution Prevention Checklists.** Checklists are available for the auto body repair, photoprocessing, printing, construction and dry-cleaning industries. These checklists provide suggested pollution prevention actions for common jobs and tasks. These checklists would be distributed to the appropriate facilities.

- **The City of Gilroy's Chemical Control Division** (CCD) has developed one-page BMP fact sheets for distribution to specific commercial and industrial activities. Copies of BMPs for medical and dental businesses, swimming pools and spas, and special events are presented in Appendix F.

BMP IMPLEMENTATION PLAN

TDS reduction is expected to be achieved through source reduction and pollution prevention activities. The Gilroy CCD maintains an EPA approved pretreatment program and is proactively involved with monitoring the various commercial/industrial discharges to the Authority's WWTP. Therefore, this BMP implementation plan emphasizes continued pollution prevention activities. Some of the on-going activities and proposed actions are listed below.

- Conduct a process audit of restaurants/food handling facilities and develop an information brochure targeted at TDS reduction methods. Improved housekeeping practices such as proper disposal of food scraps, selection/use of cleaning agents, water use, etc., may result in reduced effluent TDS discharges.

- As mentioned earlier, the Gilroy CCD initiated the grease removal reporting program in January 1995. The CCD will continue this program for the various restaurants/food service facilities.

- Continue to monitor the activities of the various industrial facilities that have high TDS discharges. The facilities will be audited to identify high TDS wastewater streams. This information would enable the dischargers to improve their housekeeping practice.

- Educate consumers on the types of commercially available residential water softeners. Information brochures will be prepared in cooperation with the Water Quality Association.

- In 1994, the Gilroy CCD also initiated a swimming pool permit for pool drainings. Pool drainings are discharged to the Authority's WWTP. As part of the BMP implementation plan, the CCD will provide individual homeowners with information on swimming pool maintenance along with the pool draining permit.

- Conduct a TDS audit at the Gilroy Canning facility during the 1995 FPWF season. Assist with the implementation of improved housekeeping procedures.

- At present, the Gilroy CCD provides local businesses with information on seminars, training, and other educational activities that are available. The CCD will continue to provide educational assistance to local businesses.

IMPACT OF BMPs AND WATER CONSERVATION ON TDS REDUCTION

A brief discussion on the impact of the BMPs and water conservation on effluent TDS reduction is presented in this section. The municipal effluent consists of commercial, industrial and residential discharges. Table 3-1 presents the 12-month average municipal effluent TDS concentration and the drinking water supply TDS concentration. A graphical summary of the historical consumptive concentration is presented in Figure 3-1. Review of the historical summary of the municipal TDS consumptive data indicates that the consumptive concentration exceeds the Regional Board's current consumptive limit of 370 mg/L. Recent data (November 1994 through February 1995) indicates that the consumptive TDS concentration is below the Regional Board limit of 370 mg/L in the winter months. This is possibly a result of infiltration/inflows into the sewer during the winter months, resulting in effluent dilution. Therefore, it is clear that the TDS concentration is greatly influenced by wastewater flows. The implementation of the various proposed BMPs may result in lower TDS loads; however, the extent of TDS reduction that can be achieved from these efforts is unknown.

As shown in Figure 3-1, it appears that a 5 percent reduction in the historical municipal consumptive TDS concentration, would result in compliance with the Regional Board's current consumptive TDS limit of 370 mg/L. Therefore, an analysis was conducted to determine the effort required to achieve an overall 5 percent TDS reduction in the municipal effluent TDS loads. Figure 3-2 presents an analysis of the TDS reductions that can be achieved through

TABLE 3-1
SUMMARY OF EFFLUENT CONSUMPTIVE TDS DATA

Month	Municipal Effluent TDS (a) (mg/L)	Drinking Water Supply TDS (b) (mg/L)	Consumptive TDS (c) (mg/L)	RWQCB Consumptive TDS Limit (d) (mg/L)	RWQCB Consumptive TDS Limit (e) (mg/L)
Jan 89	699	356	343	370	425
Feb 89	705	358	346	370	425
Mar 89	716	360	356	370	425
Apr 89	724	362	363	370	425
May 89	742	363	379	370	425
Jun 89	742	364	378	370	425
Jul 89	744	367	377	370	425
Aug 89	734	370	365	370	425
Sep 89	737	373	365	370	425
Oct 89	737	375	362	370	425
Nov 89	748	381	367	370	425
Dec 89	742	389	353	370	425
Jan 90	736	397	339	370	425
Feb 90	731	402	329	370	425
Mar 90	726	408	317	370	425
Apr 90	719	410	309	370	425
May 90	708	412	296	370	425
Jun 90	706	415	291	370	425
Jul 90	703	419	284	370	425
Aug 90	700	423	277	370	425
Sep 90	701	426	274	370	425
Oct 90	702	430	272	370	425
Nov 90	698	431	267	370	425
Dec 90	708	427	281	370	425
Jan 91	713	420	292	370	425
Feb 91	717	419	298	370	425
Mar 91	719	416	303	370	425
Apr 91	722	417	305	370	425
May 91	724	414	310	370	425
Jun 91	732	413	319	370	425
Jul 91	739	407	332	370	425
Aug 91	747	401	346	370	425
Sep 91	741	394	347	370	425
Oct 91	735	386	349	370	425
Nov 91	729	377	352	370	425
Dec 91	722	370	352	370	425
Jan 92	715	365	350	370	425
Feb 92	714	357	357	370	425
Mar 92	715	348	368	370	425
Apr 92	715	339	376	370	425
May 92	715	334	381	370	425

TABLE 3-1
SUMMARY OF EFFLUENT CONSUMPTIVE TDS DATA

Month	Municipal Effluent TDS (a) (mg/L)	Drinking Water Supply TDS (b) (mg/L)	Consumptive TDS (c) (mg/L)	RWQCB Consumptive TDS Limit (d) (mg/L)	RWQCB Consumptive TDS Limit (e) (mg/L)
Jun 92	708	326	381	370	425
Jul 92	701	322	380	370	425
Aug 92	693	317	375	370	425
Sep 92	693	314	379	370	425
Oct 92	696	311	385	370	425
Nov 92	702	309	393	370	425
Dec 92	708	307	400	370	425
Jan 93	708	307	401	370	425
Feb 93	703	307	396	370	425
Mar 93	694	319	375	370	425
Apr 93	693	319	374	370	425
May 93	690	319	371	370	425
Jun 93	685	319	366	370	425
Jul 93	688	319	369	370	425
Aug 93	697	319	378	370	425
Sep 93	700	335	365	370	425
Oct 93	701	335	366	370	425
Nov 93	702	335	367	370	425
Dec 93	701	335	366	370	425
Jan 94	709	335	374	370	425
Feb 94	714	335	379	370	425
Mar 94	721	341	380	370	425
Apr 94	725	345	380	370	425
May 94	726	345	381	370	425
Jun 94	732	345	387	370	425
Jul 94	724	345	379	370	425
Aug 94	713	345	368	370	425
Sep 94	714	346	368	370	425
Oct 94	712	346	366	370	425
Nov 94	708	346	362	370	425
Dec 94	703	346	357	370	425
Jan 95	693	346	347	370	425
Feb 95	685	346	339	370	425

(a) - Twelve month running average. From WWTP monthly monitoring reports.
(b) - Semi-annual monitoring data. From WWTP monthly monitoring reports.
(c) - Calculated as the difference between municipal effluent TDS and drinking water supply TDS.
(d) - Consumptive limit after June 1994.
(e) - Consumptive limit prior to June 1994.

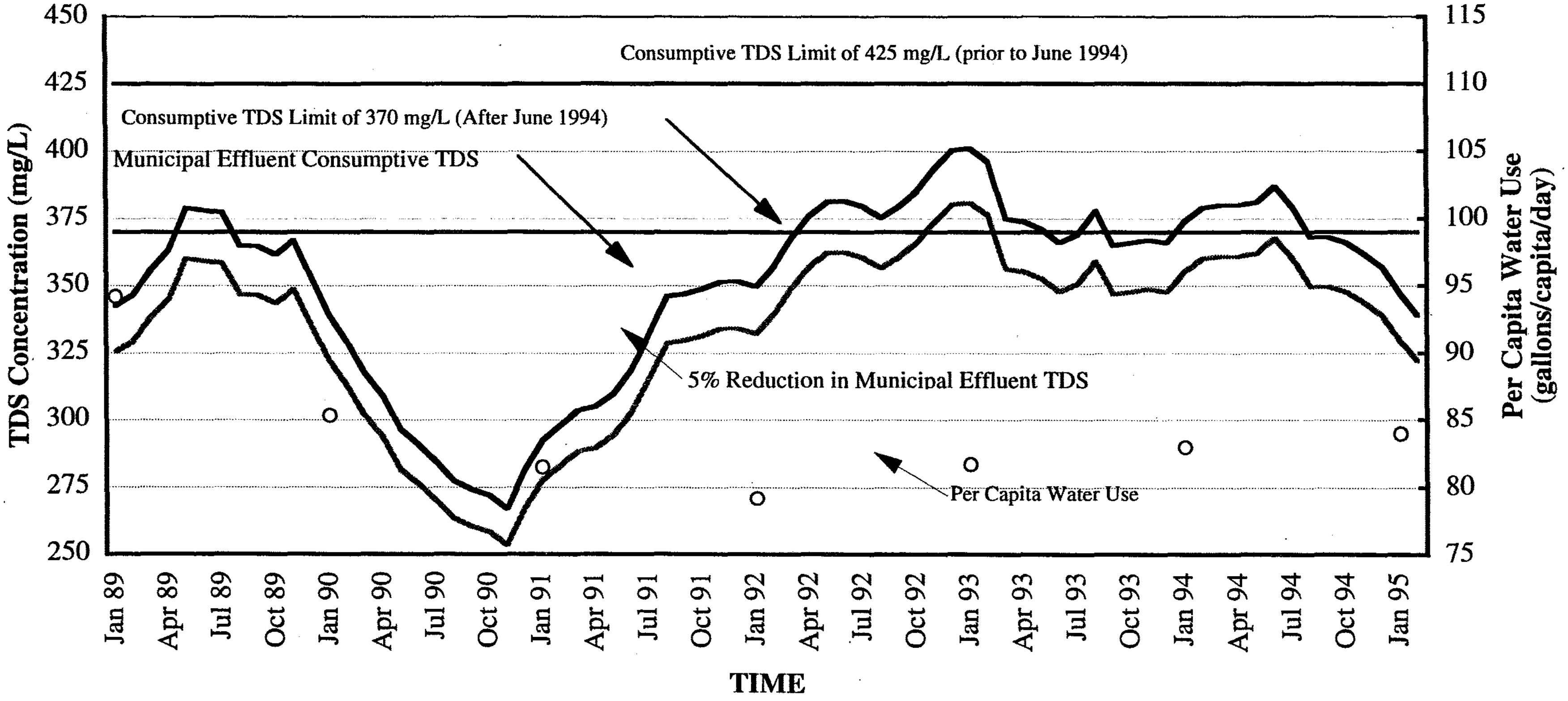


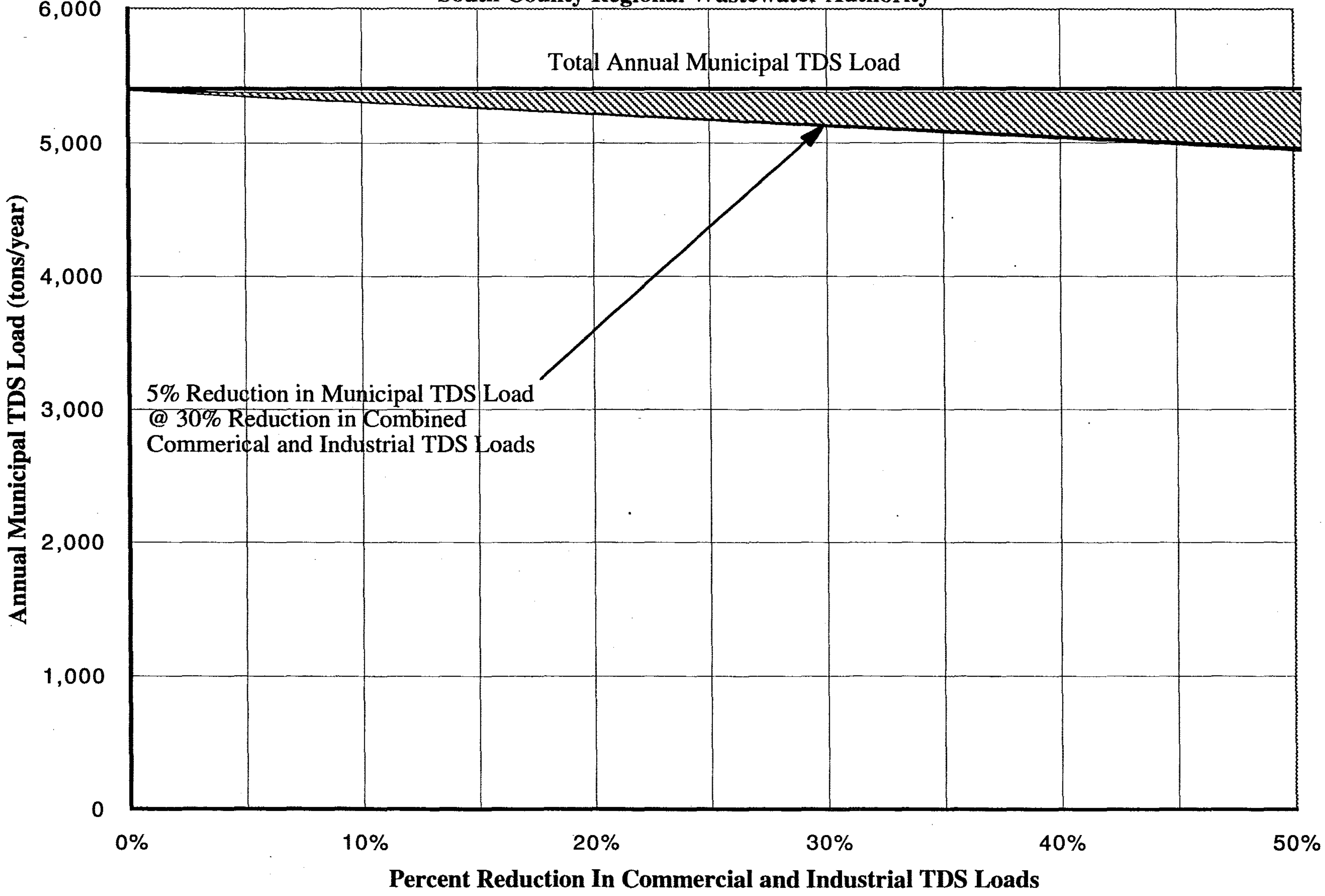
FIGURE 3-1

HISTORICAL SUMMARY OF CONSUMPTIVE TDS
South County Regional Wastewater Authority

consumptive TDS Consumptive-fig
4/27/95 3:58 PM

FIGURE 3-2

IMPACT OF COMMERCIAL AND INDUSTRIAL TDS LOAD REDUCTIONS ON MUNICIPAL TDS LOAD
South County Regional Wastewater Authority



TDSSamplingData.WS ReductionduetoComm&Ind
4/27/95 3:55 PM

reductions in commercial/industrial TDS contributions. The total TDS mass loadings in the municipal effluent is about 5,480 tons/year; of which, the commercial/industrial TDS mass load is about 940 tons/year. To achieve a 5 percent overall reduction in the TDS loads to the WWTP, the commercial/industrial loads would have to be reduced by 30 percent. Figure 3-3 presents an analysis on the effort required to achieve a 5 percent reduction in WWTP TDS loads through reductions in residential TDS discharges. While several activities contribute to residential TDS loadings, this analysis targets residential self-regenerative water softeners. A 5 percent overall TDS reduction can be achieved by reducing about 45 percent of the residential self-regenerative TDS discharges.

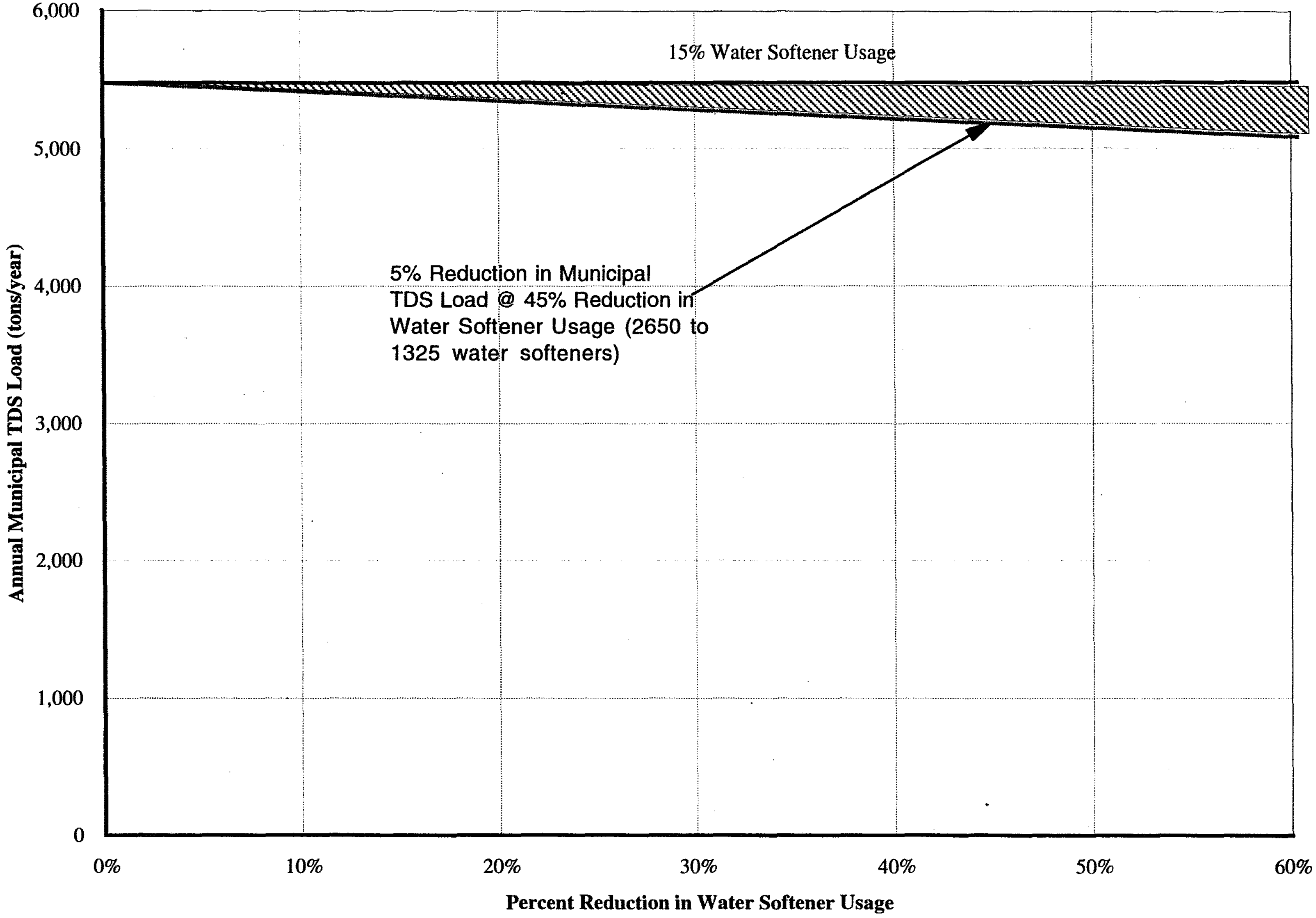
Based upon this analysis, significant effort is required to achieve a 5 percent reduction in overall TDS contribution to the WWTP. Therefore, a combination of TDS reduction measures from both commercial/industrial and residential will be required. As discussed earlier, the Authority plans to implement various BMPs for TDS reduction. The primary focus of this effort will be targeted at commercial/industrial businesses through pretreatment and source control audits. However, it is envisioned that the residential TDS reductions will be achieved through proactive public education campaigns. For instance, the Authority, in cooperation with the WQA, plans to develop information brochures on the types of various residential water softeners (Personal Communications, April 1995).

Another factor that has a significant influence on the consumptive TDS concentration is water conservation. With the recent drought (1986-1992), drinking water agencies have initiated extensive public awareness campaigns for improved water conservation/use. Review of the water use records indicates that the per capita water consumption has decreased from 98 gallons per capita per day (gpcd) to 79 gpcd between 1985 and 1992. Several commercial and industrial facilities have also undertaken modifications to improve water conservation. For the most part, these measures have resulted in successful water reduction and conservation. While this action may be beneficial from a water supply perspective, it has an adverse effect on TDS reduction efforts, as the dissolved solids are further concentrated in the discharge flow. Therefore, the mass-based approach in the analysis of TDS impacts may be more appropriate. At facilities where high levels of conservation have been achieved, it may be difficult to obtain further reductions in TDS loads. An example of literature that encourages water conservation as a pollution prevention measure is included in Appendix F.

- **Preventing Pollution Through Efficient Water Use (EPA).** This document provides information on how efficient water use can aid pollution prevention. In

FIGURE 3-3

IMPACT OF WATER SOFTENER REDUCTIONS ON ANNUAL MUNICIPAL TDS LOAD
South County Regional Wastewater Authority



Residential Component Chart 2 Residential Component Chart 2
4/27/95 3:54 PM

addition to providing motivation for pollution prevention activities, it also summarizes several techniques for reductions in water use in the home, work or schools.

Based upon this analysis, it appears that the consumptive TDS frequently exceeds the Regional Board's current consumptive TDS limit of 370 mg/L, resulting in periodic violations. However, the consumptive TDS is consistently below the Regional Board's previous consumptive use limit of 425 mg/L. At this time, the impact of the various proposed BMPs on TDS reduction is unknown. To enable consistent permit compliance, the consumptive TDS limit needs to be reverted to 425 mg/L. Further, TDS reduction efforts at Gilroy Canning could potentially lower the overall TDS loading to the shallow aquifer at the Gilroy/Morgan Hill WWTP and the Gilroy FPWF.

Section 4

CHAPTER 4

FINDINGS AND RECOMMENDATIONS

This chapter presents a summary of the findings and recommendations from this TDS investigation. The results of this investigation were based upon the overall mass TDS loading versus the concentration-based approach.

INVESTIGATION FINDINGS

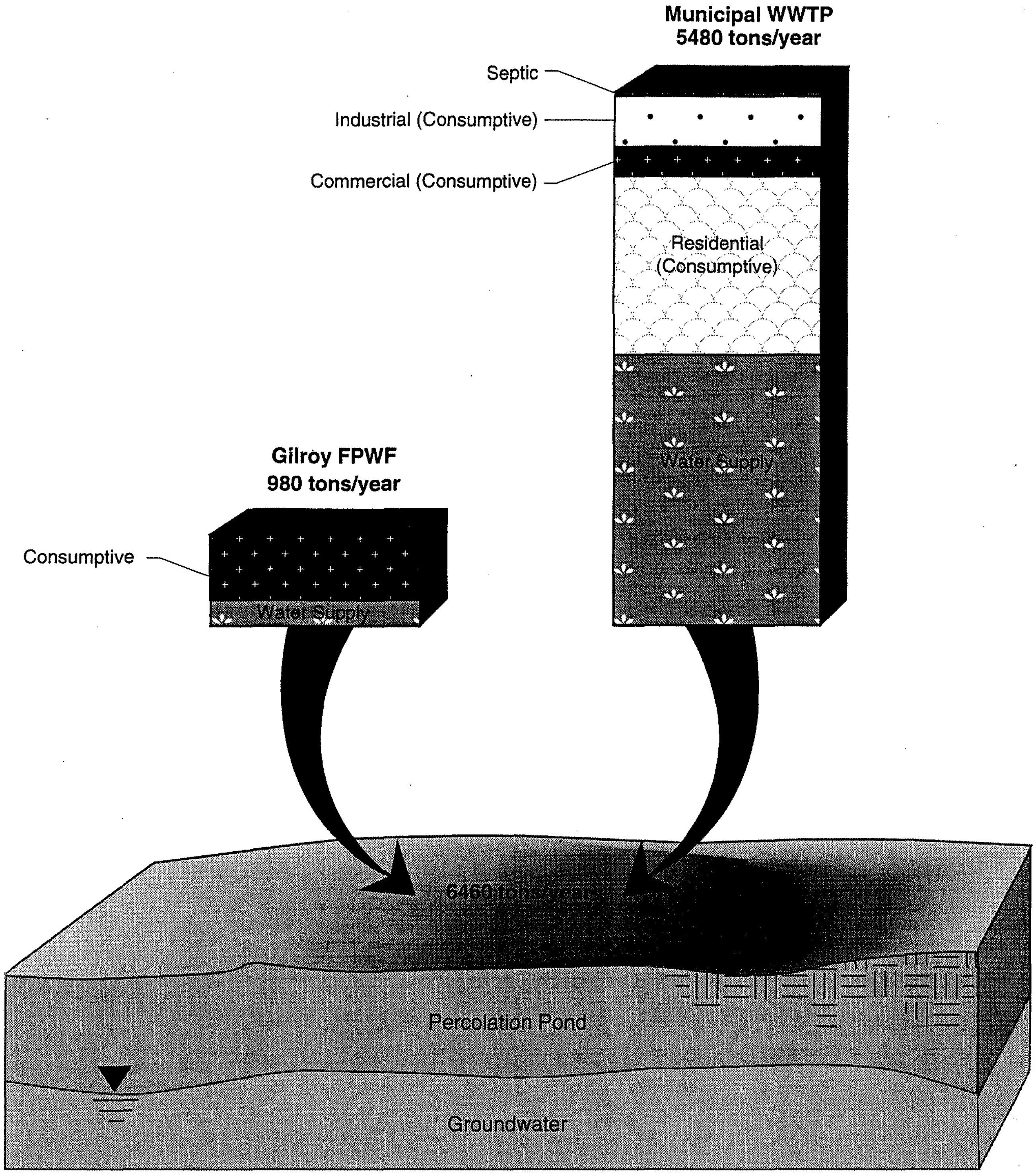
A schematic of the overall TDS contribution to the groundwater at the Gilroy-Morgan Hill WWTP and the Gilroy FPWF is presented in Figure 4-1. A summary of the findings and conclusions from this investigation is presented as follows.

- The municipal effluent contributes about 5,480 tons/year of TDS to the municipal effluent, equivalent to about 0.51 lbs/capita/day. The various sources of municipal effluent TDS include residential, septage, commercial and light industrial activities.

- The consumptive residential TDS contribution from the various household activities is about 0.17 lbs/capita/day. Residential consumptive TDS contributors include cooking, bathing, dishwashing, laundry, house cleaning, swimming pools, self-regenerative water softeners, etc.

- Based upon discussions with water softener vendors and other literature information, the overall TDS contribution from self-regenerative water softeners to the municipal effluent is estimated at about 13 percent. An analysis of the impact of water softener reduction to the overall total TDS load showed that to achieve a 5 percent TDS reduction requires a 45 percent reduction in water softener use. It was estimated that 15 percent of the service area population utilizes self-regenerative water softeners.

- As part of this investigation, a visit to a regional retailer of residential water softeners was conducted. Discussions with the vendor indicated that self-regenerative water softeners (TCR and DIR) were the preferred choice among the residential consumers. In fact, this vendor sold only self-regenerative water softeners because of consumer demand. Therefore, it appears that public



SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

SCHEMATIC OF ANNUAL TDS LOADS TO GROUNDWATER

FIGURE 4-1

education that explains the differences between water softeners may be an effective alternative to regulatory enforcement.

- The food process wastewater (from Gilroy Canning) contributes about 980 tons/year to the percolation ponds at the Gilroy FPWF. The FPWF percolation ponds are located adjacent the municipal effluent percolation ponds. As a result, the total annual TDS contribution to the groundwater at the Gilroy-Morgan Hill WWTP and the Gilroy FPWF is about 6,460 tons/year.

- The prominent sources of commercial TDS discharges were restaurants, laundromats and shopping centers. The TDS investigation of commercial businesses included a total of 71 sites, broadly grouped under 10 categories. The commercial categories were fast food restaurants, car washes, schools, laundromats, light industrial parks, medical/dental facilities, bakeries, supermarkets, auto dealerships/body shops and shopping centers. Shopping centers include a combination of businesses such as restaurants, laundromats, bakeries, etc.

- The prominent industrial TDS contributors to the WWTP were commercial laundries, cardboard manufacturing, and a tomato processing facility.

- The field investigation of residential trunk sewer sampling showed no observable variation in TDS discharges based upon socio-economic factors. It was speculated that wealthier residential neighborhoods would contribute higher TDS discharges from swimming pools, self-regenerative water softeners, etc. The field data may have been influenced by infiltration/inflows to the sewer as this investigation was conducted between the winter months of December 1994 through March 1995.

- Annual septage discharges to the Gilroy-Morgan Hill WWTP are estimated between 320,000 gallons and 390,000 gallons. Septage samples had high TDS concentrations; however, the overall mass loading to the treatment plant was <1 percent of the overall TDS mass contributions to the treatment plant.

- The Gilroy CCD maintains a proactive pretreatment and source control program. In January 1995, the CCD initiated a restaurant grease removal reporting program for the various restaurants/food handling facilities in the service area. Of the 359 permitted commercial businesses in the Gilroy/Morgan Hill area, 160 are restaurant/food handling facilities.

- The CCD has also implemented a swimming pool draining permit requirement. Its noted in the July 1994 study, swimming pool discharges have TDS concentrations that range between 760 mg/L and 7,050 mg/L. The Fish and Game Department bans the discharge of swimming pools to the storm drain due to potential impacts (from chlorine) to fish and wildlife in the receiving environment. Therefore, pool drainings are discharged to the municipal WWTP.

RECOMMENDATIONS

Based upon this investigation, an overall reduction in the total TDS discharges to the municipal effluent could potentially be achieved by source control/pretreatment efforts. The impact of these source control/pretreatment efforts will have to be determined over an extended time period. Specific recommendations from this investigation are as follows:

- Initial TDS source control efforts should focus on prominent commercial/industrial dischargers, such as restaurants and laundromats. The CCD will continue to monitor the activity of the various permitted commercial/industrial dischargers.

- Conduct a process audit of restaurants/food handling facilities and implement BMPs (included in the report) for the restaurant/food handling businesses in the service area. On-going CCD efforts such as the recently implemented restaurant grease removal program may have an indirect impact on municipal TDS reduction.

- Conduct a TDS audit of the tomato processing operation at Gilroy Canning during the 1995 food processing season and identify TDS reduction measures. It should be recognized that Gilroy Canning has made significant process changes that result in lower TDS discharges.

- As required in the Waste Discharge Requirement (WDR) Order No. 92-20, monitor the municipal influent TDS concentration. In addition, conduct periodic monitoring of the trucked-in septage. Include a summary discussion of annual TDS loadings in the annual report. As discussed earlier, the mass-based TDS loading approach provides a bench mark for reviewing TDS loadings trends over extended time periods.

- Implement a public education campaign focused on reducing high TDS discharges. The Gilroy CCD currently provides local businesses with information on pollution prevention activities and actively participate in public education. In general, the various pollution prevention activities are expected to lower the municipal TDS content.

- In cooperation with WQA, develop educational brochures that explain the differences between various commercially available residential water softeners. These brochures will be made available to the general public through mailings and other media.

- The historical consumptive effluent TDS data indicates frequent violation of the Regional Board's current consumptive limit of 370 mg/L; however, consistent compliance is achievable with the Regional Board's previous consumptive limit of 425 mg/L. To enable consistent permit compliance, the consumptive limit needs to be reverted to 425 mg/L. It should be recognized that the overall TDS contribution over the past several years may have actually remained steady. However, the impact of water conservation measures such as low flow toilets, etc., results in higher TDS concentrations in the municipal effluent.

Section 5

CHAPTER 5

REFERENCES

1. California Department of Water Resources, "Industrial Water Conservation References of Industrial Laundries," The Metropolitan Water District of Southern California, 1989.

2. Montgomery Watson, "Draft Water Reclamation Planning Study," South County Regional Wastewater Authority, February 1995.

3. Water Quality Association, "Information Facts on Home Water Softening, Total Dissolved Solids, Chlorides & Water Usage," 1991.

4. Montgomery Watson, "Phase II Predesign Study: Preliminary Site Selection Report, Appendix A: Population and Wastewater Flowrate Projections," South County Regional Wastewater Authority, November 1993.

5. Utah Study

6. Personal Communications with Ms. Carlyn Meyer, Water Quality Association, April 1995.

Appendix A

APPENDIX A

TDS Work Plan, April 14, 1993

April 14, 1993

Mr. John Mijares
California Regional Water Quality Control Board -
Central Coast Region
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5414

SUBJECT: Total Dissolved Solids Work Plan - South County Regional Wastewater Authority

File No.: 1443.0030/3.1

Dear Mr. Mijares:

On behalf of the South County Regional Wastewater Authority (Authority), Montgomery Watson has prepared this work plan to implement Best Management Practices (BMP) for total dissolved solids (TDS) reduction in the Authority's effluent discharge. This work plan has been prepared in compliance with Regional Board Waste Discharge Requirements Order No.: 92-20, Provision E7.

WORK PLAN

The work plan presents the tasks and project schedule to meet TDS effluent discharge requirement of water supply + 370 mg/L on June 1, 1994. The current effluent TDS limit until June 1, 1994, is water supply + 425 mg/L. The overall goal of the Regional Board requirement is to reduce the consumptive TDS contribution from 425 mg/L to 370 mg/L. A description of the work plan scope is presented below.

Task 1 - Literature Review

This task includes a literature review of available BMPs for effluent TDS mitigation and a review of effluent TDS mitigation ordinances at other Cities. In addition, other Cities will be contacted to develop a database of effluent and potable water supply TDS levels. This information will be compared with the Authority's consumptive use TDS data. The analysis will consider the impact of the drought and other factors in evaluating the consumptive TDS data.

Task 2 - TDS Source Monitoring

This task will include TDS monitoring in the Cities' routine trunk sampling program. In addition, the Chemical Control Division (CCD) will monitor TDS at the various commercial facilities that discharge to the Authority's WWTP. It should be noted that the CCD has initiated this program in January 1993. The monitoring will be done for at least twelve months to identify high TDS effluent discharges to the South County Regional WWTP. The data from this TDS monitoring program will be submitted to the Regional Board as part of the BMP selection.

Task 3 - Best Management Practice

Based upon the findings of Tasks 1 and 2, the Authority will recommend a suitable BMP to reduce the effluent TDS levels. The BMP may address individual households or commercial dischargers to achieve the desired TDS reduction. The BMP selection will consider the overall economic impact to the community.

SCHEDULE

The Regional Board Waste Discharge Requirement Order No. 92-20 deadline for compliance with revised TDS limit of water supply + 370 mg/L is June 1, 1994. The work plan schedule to implement the BMP for effluent TDS reduction is presented in Figure 1.

If you have any questions or need additional information, please contact Ramesh Babu or me at 510 933 2250.

Very truly yours,

John R. Burris
Program Manager

cc: Jay Baksa, City of Gilroy
Rick Smelser, City of Gilroy
Al Slechta, OMI
Nick Amper, City of Gilroy

Appendix B

MONTGOMERY WATSON

APPENDIX B

Total Dissolved Solids Study, July 1994, prepared by Montgomery Watson
Regional Board letter dated, September 6, 1994

South County Regional Wastewater Authority

Total Dissolved Solids Study

July 1994

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

TOTAL DISSOLVED SOLIDS STUDY

Prepared by
Montgomery Watson
Walnut Creek, California

July 1994

MONTGOMERY WATSON

July 11, 1994

Mr. John Mijares
California Regional Water Quality Control Board-
Central Coast Region
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5414

File No.: 1443.0030/3.1

SUBJECT: Total Dissolved Solids Study - South County Regional Wastewater Authority

Dear Mr. Mijares:

On behalf of the South County Regional Wastewater Authority (Authority), Montgomery Watson has prepared this total dissolved solids (TDS) study in compliance with Regional Board Waste Discharge Order No. 92-20. The study includes a comprehensive review of TDS sources, TDS groundwater impacts, a consumptive use comparison with other municipal effluent and other ordinances controlling the use of water softeners.

The study indicated that the Authority currently meets the existing consumptive use TDS limit of 425 mg/L. However, it would be unlikely for the Authority to consistently meet the proposed Regional Board consumptive use TDS limit of 370 mg/L. Effluent treatment to reduce TDS would result in very significant costs to the Authority. Therefore, the Authority requests the Regional Board to consider maintaining the current consumptive use TDS limit of 425 mg/L. Comparison of the Authority's consumptive use TDS data with thirty-one other municipalities indicates that the Authority's data is within the range of typical values. The survey also indicated that other municipalities with land discharge of municipal effluent do not have effluent TDS limits.

The Authority, however, would focus on reducing the overall TDS load to the groundwater at the treatment plant with source control/pretreatment methods. Based upon the findings of this study, it appears that groundwater TDS impacts could be reduced by targeting initial TDS reduction efforts towards industrial/commercial and Food Processor Wastewater Facility (FPWF) discharges before targeting domestic sources.

If you have any questions, or need additional information, please telephone me at 510 274 2277.

Very truly yours,

Ramesh Babu
Project Engineer

cc: Jay Baksa, City of Gilroy
Rick Smelser, City of Gilroy
Al Slechta, OMI-Gilroy
David Lindow, Montgomery Watson

355 Lennon Lane
Walnut Creek, California
94598-2427

Tel: 510 933 2250
Fax: 510 945 1760

Serving the World's Environmental Needs

SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

TOTAL DISSOLVED SOLIDS STUDY

TABLE OF CONTENTS

PAGE

PURPOSE 1

SUMMARY OF FINDINGS AND CONCLUSIONS 1

RECOMMENDATIONS 3

BACKGROUND 4
- Facilities Description 4
  - Municipal Wastewater Facilities 4
  - Food Processor Wastewater Facility 5
  - Reclamation Facilities 5
  - Water Supply Facilities 6
- WWTP Site Hydrogeology 6
- Groundwater TDS Summary 6
  - Shallow Aquifer 7
  - Deep Aquifer 8

TOTAL DISSOLVED SOLIDS DEFINITIONS 8
- Total Dissolved Solids Concentration 8
- Consumptive Use TDS 9

SOURCES OF TOTAL DISSOLVED SOLIDS 9
- Water Supply TDS 9
  - Gilroy 9
  - Morgan Hill 10
  - WWTP 10
- Wastewater Effluent TDS 10
  - TDS Contributions From Municipal and Industrial Facilities 11
  - TDS Contributions From Residential Water Softeners 12
  - TDS Contributions From Residential Pools 12

TDS Contributions From Water Conservation 13
Food Process Effluent TDS 14

METHODS TO REDUCE TDS 14
Commercial and Industrial Sources 14
Residential Sources 15
Food Processing 15

SURVEY OF MUNICIPAL EFFLUENT TDS DATA 15

REVIEW OF TDS MITIGATION ORDINANCES 16
California Health and Safety Code 16
Northern Metropolitan San Diego 17
Irvine Ranch Water District 17
Summary 18

Appendix A: City of Gilroy Waste Reduction Program
Appendix B: TDS Mitigation Ordinances

LIST OF TABLES

Table No.	Title	Follows Page No.
1	Summary of Groundwater TDS Data	7
2	Summary of Gilroy Water Supply Well TDS Data	9
3	Summary of Morgan Hill Water Supply Well TDS Data	10
4	WWTP Effluent TDS Data	10
5	Commercial and Industrial Facility Sampling Summary	11
6	Residential Facility Sampling Summary	12
7	Consumptive TDS Trends With Service Area Population	13
8	Results of Drinking Water and Municipal Effluent TDS Survey	15

LIST OF FIGURES

Figure No.	Title	Follows Page No.
1	Sources of WWTP Effluent TDS	3
3	SCRWA WWTP Location Map	4
3	Groundwater and Surface Water Monitoring Locations	4
4	Schematic Cross Section of Water Bearing Strata in South Santa Clara County	6
5	Total Dissolved Solids Concentration Gradient (June 1986 - March 1994)	7
6	Average Gilroy Water Supply TDS	10
7	TDS Levels at SCRWA WWTP	10
8	Consumptive and Water Supply TDS Contributions Versus Time and Population	13
9	Comparison of Municipal and Food Process Wastewater Flow and TDS Loading	14

PURPOSE

The purpose of this report is to identify the contributing sources of total dissolved solids (TDS) to municipal wastewater and its impact on groundwater quality at the South County Regional Wastewater Authority (Authority). The study was required by the Central Coast Regional Water Quality Control Board (Regional Board) as part of the Waste Discharge Requirements (WDR) Order No. 92-20. A work plan for the study scope was submitted to the Regional Board in a letter dated April 15, 1993. The outcome of this effort is for the Authority to comply with the revised municipal effluent TDS discharge limit of water supply + 370 mg/L for the new treatment plant. The current municipal effluent TDS discharge limit is water supply + 425 mg/L for the existing facility.

SUMMARY OF FINDINGS AND CONCLUSIONS

The summary of findings and conclusion of this municipal wastewater TDS evaluation are presented below.

- **Consumptive Use Limits.** Review of the Cities' of Gilroy and Morgan Hill water supply TDS and municipal wastewater influent TDS concentrations indicates that the average consumptive TDS (calculated from January 1992 to March 1994) for the WWTP service area is about 390 mg/L, which is below the current Regional Board consumptive use limit of 425 mg/L but above the proposed consumptive use limit of 370 mg/L. It is unlikely that the WWTP will be able to consistently meet the proposed consumptive use limit of 370 mg/L without further reductions in consumptive TDS loadings.

- **Groundwater TDS Concentration.** The review of the historical groundwater TDS concentrations (at the Authority's WWTP) indicated no distinct trend in increasing TDS concentration below the municipal WWTP percolation ponds. However, the groundwater monitoring wells in the vicinity of the food process percolation ponds demonstrate a noticeable increase in TDS concentrations.

- **Commercial and Industrial TDS Contributions.** The Authority's Chemical Control Division conducted a one-year random sewer sampling program at various locations in the Authority's service area to identify sources of highly concentrated

TDS discharges to the Authority's WWTP. This program indicates that significant TDS loadings are contributed from a few facilities with discharges high in flow and/or TDS concentration. Commercial and industrial flows contribute a greater percentage of total TDS loading than they account for in flows to the WWTP. The majority of industries sampled presented a negligible TDS loading to the plant.

- **Food Process TDS Contributions.** The discharge of food process wastewater is a significant source of groundwater TDS increases. Comparison of the municipal and food process effluent land discharges indicates that the annual food process effluent flow is about 8 percent of the annual municipal effluent discharge. However, the annual food process TDS load (about 1,000 tons) is about 20 percent of the annual municipal effluent TDS load (about 5,360 tons). Therefore, the FPWF effluent is a significant source of groundwater TDS.

- **Residential Water Softening Contributions.** Residential self-regenerative water softeners are a potential source of wastewater effluent TDS. Based upon discussions with water softener vendors in the Gilroy-Morgan Hill area, it is estimated that between 15 to 40 percent of Gilroy and Morgan Hill households use self-regenerative water softeners. However, the accuracy of this estimate can only be verified with further investigation. As a result, it is very difficult to speculate the TDS impact water softeners have on municipal effluent.

- **Water Softening Ordinances.** A brief review of water softener use ordinances indicated that the state and a few California communities have adopted ordinances related to the use of self-regenerating water softeners. For about thirty years, the Irvine Ranch has successfully implemented an ordinance that bans the use of self-regenerating water softeners. However, more recently, the City of Escondido has had difficulty in adopting ordinances banning water softeners. A court case (*City of Escondido v. Pacific Water Quality Association*) is in progress with respect to water softener use in individual homes. The outcome of this case may impact the effectiveness of these ordinances.

- **WWTP Survey.** A survey of thirty-one municipal WWTPs was conducted to compare the Authority's wastewater TDS data with other municipalities. The survey indicated that the Authority's consumptive TDS (about 390 mg/L) is within the range of typical values. Of the thirty-one WWTPs surveyed, only two had absolute effluent TDS limits imposed. The survey also indicated that other municipalities that land discharged their effluent did not have effluent TDS limits. The Authority's WWTP has an equal or lower consumptive TDS concentration than other Central Coast WWTPs with effluent land discharges.

RECOMMENDATIONS

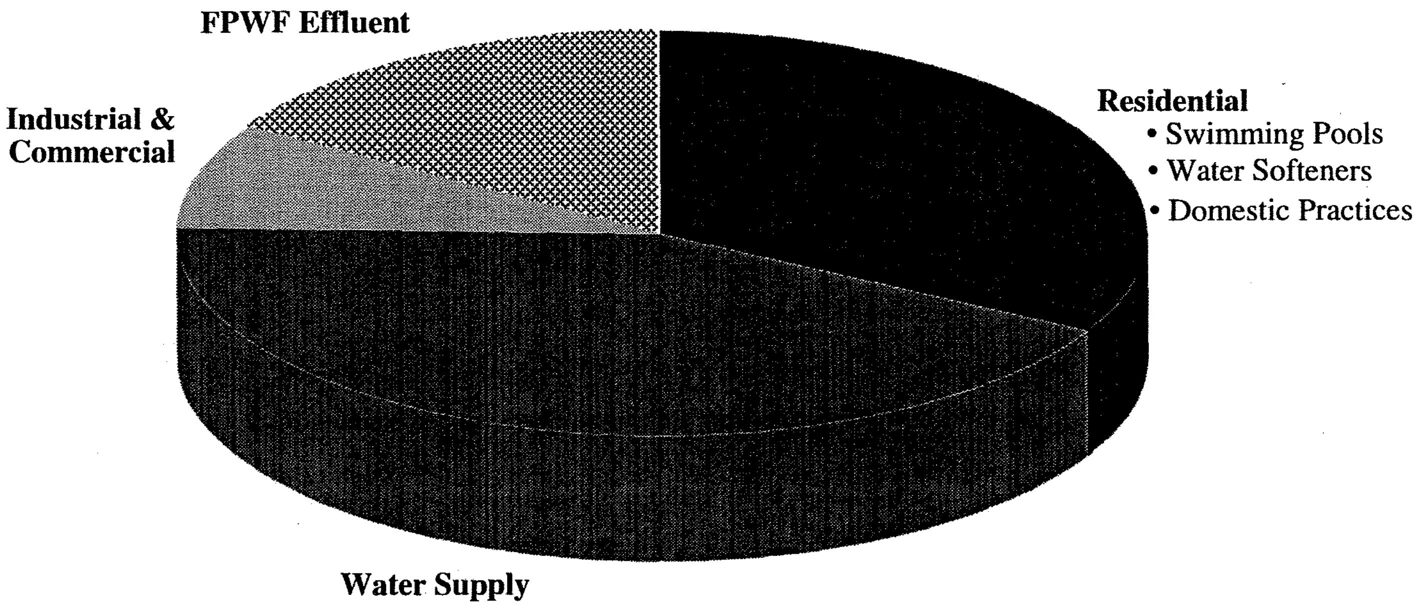
This study includes a comprehensive review of TDS sources, a consumptive TDS comparison with other municipal effluent and other ordinances controlling the use of water softeners. A breakdown of some of the identifiable sources of significant TDS loadings to the groundwater at the Authority's treatment plant are as follows: water supply, industrial/commercial, FPWF effluent and residential sources such as swimming pools, water softeners and domestic practices. An illustration of the TDS loading from the various sources listed above is presented in Figure 1.

Based upon the findings of this investigation it appears that initial efforts should be directed towards reducing TDS contributions from industrial/commercial and FPWF discharges prior to targeting domestic sources. Best Management Practices (BMPs) can be developed based upon case-specific conditions that are unique from industry to industry. Therefore, a detailed investigation of the various commercial/industrial dischargers in the Gilroy/Morgan Hill area is required to develop BMPs.

Based upon the findings of this study, the following recommendations are made.

- At present, the Authority consistently meets the current effluent TDS limit of water supply plus 425 mg/L. It may be more difficult to meet the proposed limit of water supply plus 370 mg/L without either a significant reduction of influent TDS, or costly treatment facilities capable of removing dissolved solids. Therefore, the Authority requests the Regional Board to retain the current effluent TDS limit of water supply plus 425 mg/L.

- The Authority should continue the random effluent TDS sampling program to identify sources of high TDS discharges. Assist dischargers with high TDS loadings in adopting best management practices to reduce TDS loadings to the WWTP.



Note: TDS Contributions are estimated based on available information.

FIGURE 1
SOURCES OF WWTP EFFLUENT TDS

- Continue to develop and implement strict source control/pretreatment for commercial and industrial discharges.

- Improve housekeeping at Gilroy Canning (tomato processing facility) to reduce TDS discharges to the Gilroy FPWF.

- Continue to monitor the service area water supply TDS, Authority's municipal wastewater influent TDS and the groundwater TDS at the Authority's WWTP.

BACKGROUND

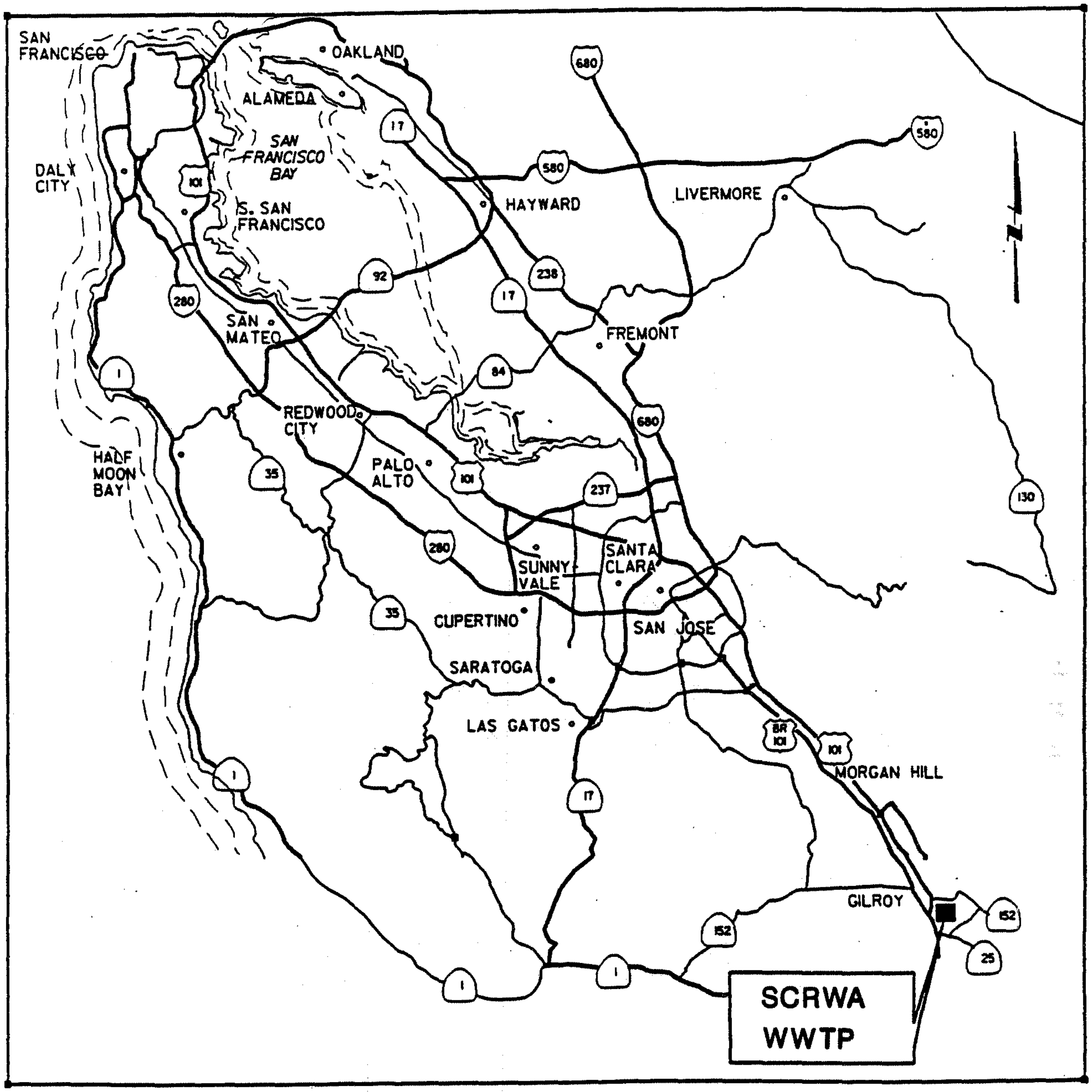
This section presents a description of the wastewater treatment and water supply facilities in the study area. Also presented is a discussion of the site hydrogeology to aid in the understanding of the groundwater impacts.

Facilities Description

The Authority's wastewater treatment plant (WWTP), located in Gilroy, provides municipal wastewater treatment for the Cities of Gilroy and Morgan Hill. Figure 2 presents the location of the Authority's WWTP. A brief description of the WWTP and water supply facilities is presented below.

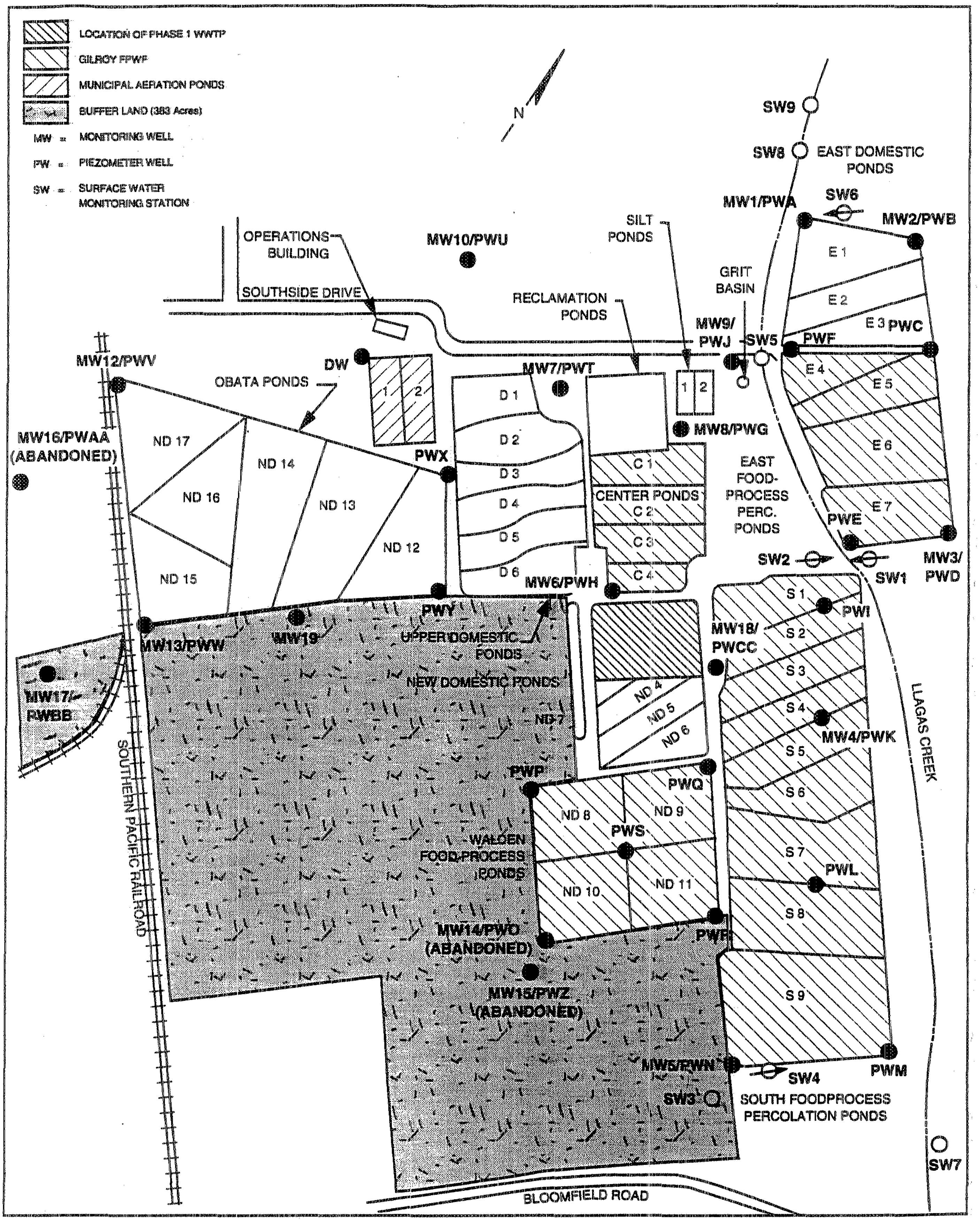
Municipal Wastewater Facilities. The Authority's WWTP consists of aerated ponds which provide advanced primary treatment and about 200 acres of percolation ponds for effluent disposal. A site plan of the WWTP is presented in Figure 3. The WWTP has a design capacity of 6.1 mgd, with current flows of about 5 mgd. Historical flow data indicates that approximately 60 percent of the flow is contributed from Gilroy with the remainder from Morgan Hill. Assuming an average daily flow of 5 mgd, the municipal effluent quantity is about 1.825 billion gallons per year. At an average effluent TDS concentration of 704 mg/L, the annual TDS loading is estimated to be 5,360 tons.

At present, construction of a new secondary WWTP with a design capacity of 7.5 mgd (Phase I), and a 3 mgd tertiary WWTP is in progress and is scheduled to begin operations in Fall 1994. The secondary treatment process includes nitrification and partial denitrification. The treated secondary effluent will be discharged on to the existing 200-acre percolation ponds. The tertiary effluent will be used for in-plant use and also



SCRWA WWTP LOCATION MAP

FIGURE 2



GROUNDWATER AND SURFACE WATER MONITORING LOCATIONS

South County Regional Wastewater Authority

FIGURE 3

distributed during the summer months to local farmers and other reclaimed water users. The Authority is currently preparing a wastewater reclamation master plan for the Gilroy and Morgan Hill areas. The Authority recently purchased about 383 acres of agricultural lands surrounding the south and west boundaries of the WWTP. These lands serve as a buffer to isolate the WWTP from the community and surrounding properties.

Food Processor Wastewater Facility. The City of Gilroy operates a Food Processor Wastewater Facility (FPWF) on behalf of a local tomato processing industry. Until recently, the FPWF received discharges from a second food processor. The Gilroy FPWF consists of a grit basin and 200 acres of percolation ponds, adjacent the municipal percolation ponds as shown in Figure 3. The FPWF is operated during the canning season from June through October of each year.

Reclamation Facilities. The goal of achieving lower TDS concentrations in the municipal effluent has two objectives: reduced groundwater impacts (from land disposal operations) and increased potential for water reclamation. The Authority, like several other California municipalities is pursuing water reclamation to meet growing water demands. At present, the Authority provides about 1.5 mgd of reclaimed water to agriculture users in the summer months. With the completion of the Phase I project, the Authority will have the ability to produce about 3 mgd of tertiary effluent for reclamation. The new reclamation facilities consist of filtration and chlorine contact.

The Authority is in the process of developing a wastewater reclamation Master Plan to distribute up to 15 mgd of reclaimed water. The incorporation of reclamation could ultimately reduce the TDS loading at the WWTP percolation site by diverting up to 15 mgd of flow from disposal. The proposed users of reclaimed water include both agricultural and municipal irrigation users including parks and golf courses. Irrigation waters considered safe and suitable for most plants under any conditions of soil or climate require TDS levels below 700 mg/L. TDS levels between 700 mg/L and 2,100 mg/L are considered as possibly harmful for certain crops, particularly in the higher ranges. Therefore the current WWTP effluent TDS levels are likely to be suitable for most reclamation irrigation uses. Although no current plans exist for industrial reclamation uses as part of the Master Plan, this category of users typically requires a low TDS concentration.

Water Supply Facilities. The source of drinking water for the communities of Gilroy and Morgan Hill is groundwater. The drinking water supplies in Gilroy and Morgan Hill are managed by their respective city staff. The water supply for the Gilroy area relies on a network of nine groundwater wells that pump from the deep aquifer. The City of Morgan Hill relies on its water supply from thirteen wells that tap the deep aquifer.

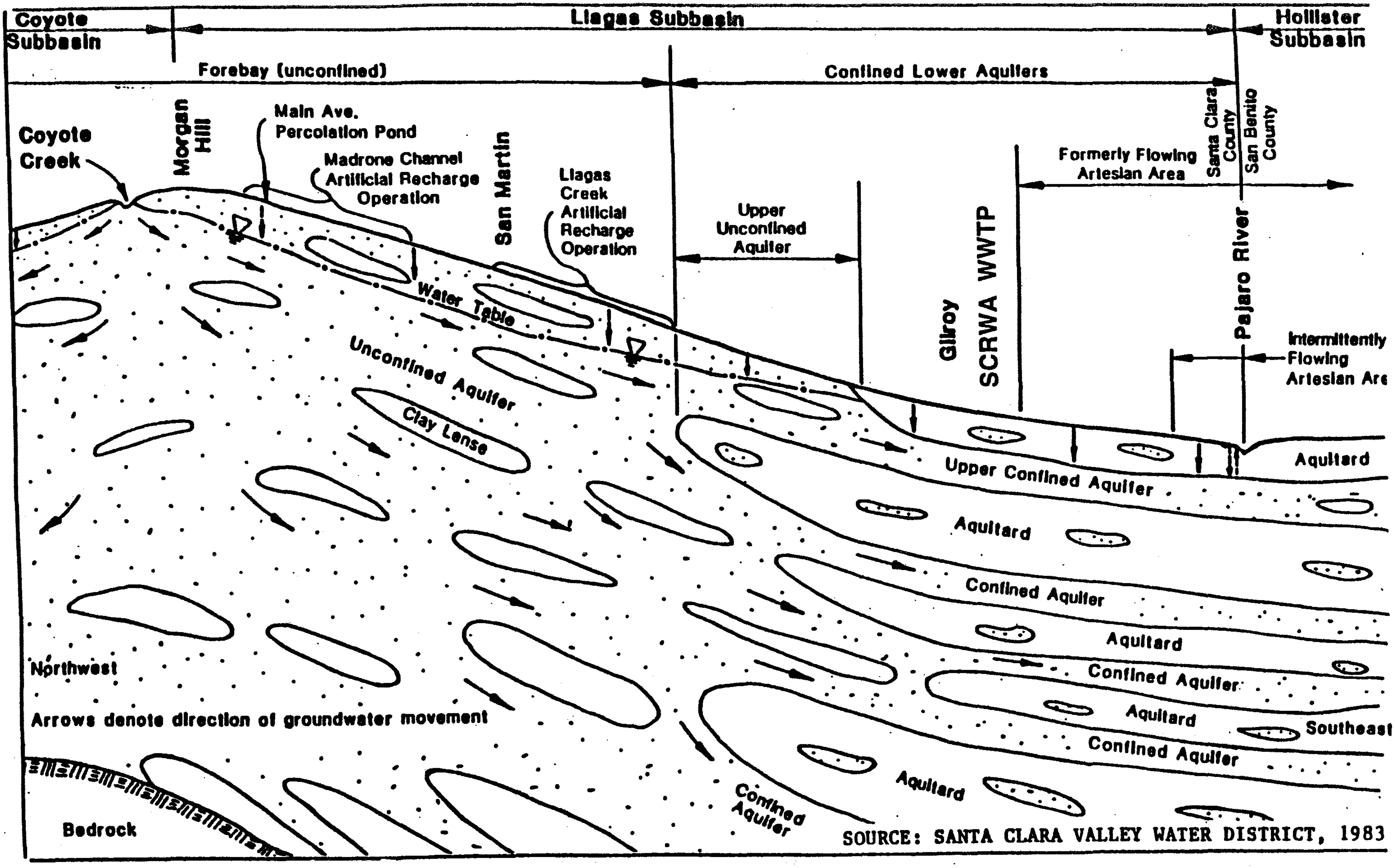
WWTP Site Hydrogeology

A brief summary of the hydrogeology of the southern Santa Clara Valley is provided below to aid in the evaluation of the TDS impacts of effluent land disposal. A general cross section of the hydrogeologic conditions under the WWTP site is presented in Figure 4. This figure shows that a shallow, perched aquifer approximately 100 feet deep exists beneath the treatment plant. The depth to groundwater in this aquifer varies seasonally with rainfall. Generally, the groundwater levels vary between a few feet below grade in the winter and 33 feet during dry months. At levels below 150 feet, groundwater is present in confined aquifers.

The shallow upper aquifer is recharged from rainfall, agricultural return water, upward leakage of the confined aquifer and percolation of municipal and food process wastewater. Recharge to the deeper aquifers is mainly from subsurface flows, although some recharge may occur due to the downward flow of surface water and groundwater through leaks in the clay cap that separates the aquifers and through deep wells which are perforated in both upper and lower aquifers.

Groundwater TDS Summary

This section presents an overview of the groundwater TDS impacts (at the WWTP) that result from treated wastewater discharged to 200 acres of percolation ponds. In the percolation ponds, evaporation and infiltration are the two major routes for ultimate disposal of the wastewater effluent. As mentioned earlier, the TDS concentration in the influent wastewater is relatively unaffected by the wastewater treatment process and ultimately ends up in the effluent wastewater stream. TDS in the effluent can migrate into the shallow aquifer through the transport mechanisms that dominate in the percolation ponds, mainly diffusion.



SOURCE: Draft Environmental Impact Report for the Long Term Wastewater Management Plan, 1990.

SCHEMATIC CROSS SECTION OF WATER BEARING STRATA IN SOUTH SANTA CLARA COUNTY

FIGURE 4

Groundwater TDS concentrations are measured around the WWTP site through a network of monitoring wells. The locations of these monitoring wells are presented in Figure 3. These wells provide information on the upgradient and downgradient water quality in the shallow aquifer. One well (MW 18) located in the center of the site provides data for the deep aquifer.

Shallow Aquifer. A summary of the historical groundwater TDS data collected from the monitoring wells between June 1986 through May 1994 is presented in Table 1. From the data it appears that TDS has increased most significantly in the areas upgradient and downgradient of the food process ponds (MW 3, 4, 5, 8, 9, PWS). No distinct trend in TDS concentration increase is observable in any of the municipal percolation pond monitoring wells during this period.

A computer generated representation of the groundwater mean TDS concentration gradient from June 1986 to September 1994 is plotted in Figure 5. From this plot it can be seen that the highest TDS concentrations (greater than 900 mg/L) exist downgradient of the food process pond. It is apparent from this figure that the WWTP land application operations result in an increase in groundwater TDS of up to 440 mg/L.

Past effluent disposal operations have resulted in an observable increase in TDS concentrations in the shallow aquifer in the vicinity of the WWTP. Measurements taken in 1993 indicate that TDS concentrations in the shallow aquifer beneath the municipal WWTP ranged from 546 mg/L in an upgradient well (MW 10) to 732 mg/L in a downgradient well (MW 17) (Montgomery Watson, 1993 Operations Plan and Hydrologic Balance). TDS concentrations were observed in even higher concentrations beneath the food processor percolation ponds with TDS concentrations averaging 991 mg/L in an upgradient well (MW 2, 3 and 9) to 1,047 mg/L in a downgradient well (MW 5) (Montgomery Watson, 1993 Operations Plan and Hydrologic Balance). Therefore, based upon WWTP groundwater monitoring, it appears that land disposal of wastewater (municipal and food process) results in an increase in TDS concentration in the shallow aquifer immediately downgradient of the WWTP.

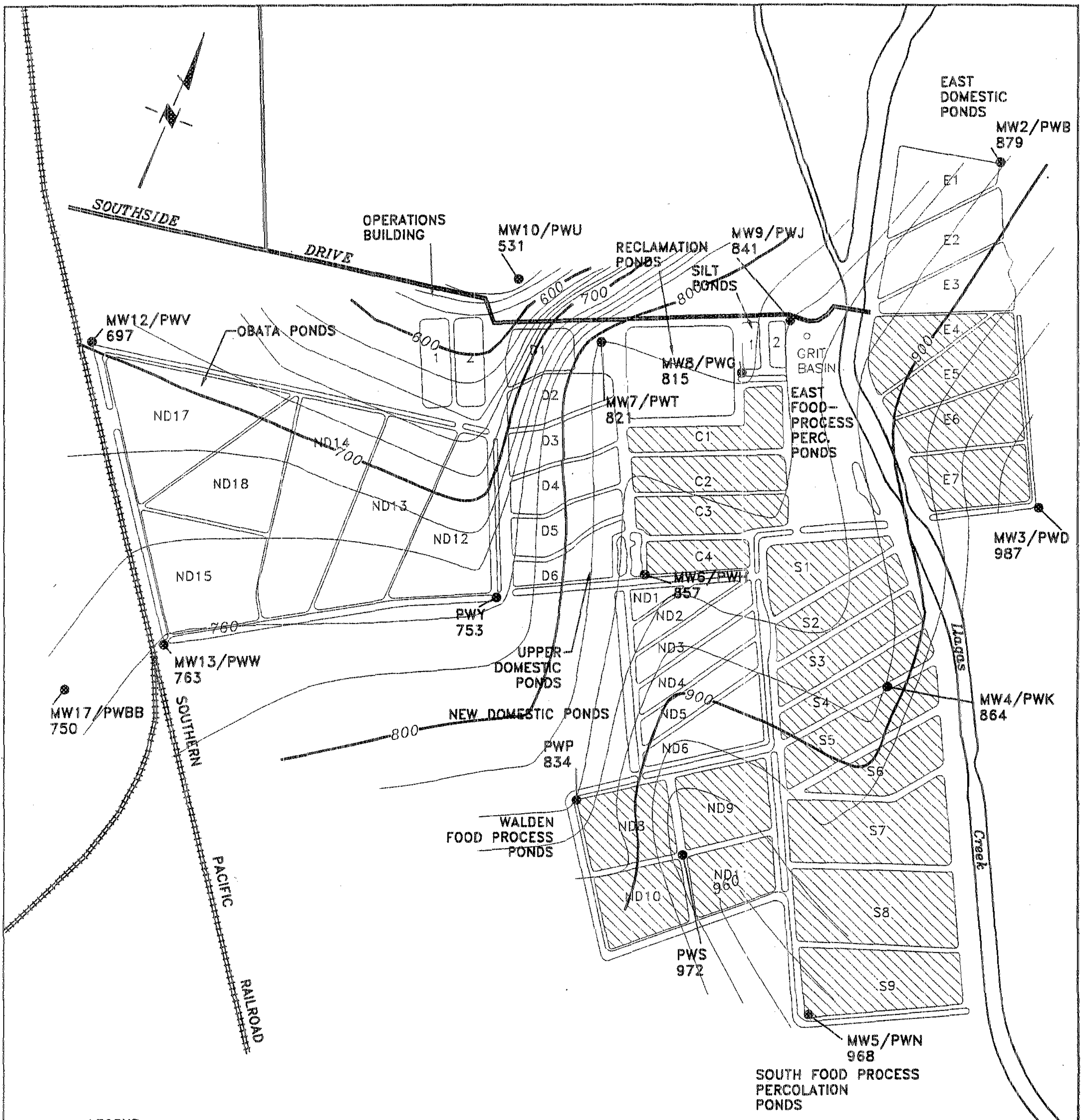
It is important to note that there is no data available for TDS concentrations in the shallow aquifer outside of the WWTP. Furthermore, land use practices in neighboring properties may contribute to an overall increase in groundwater TDS concentrations.

TABLE 1

SUMMARY OF GROUNDWATER TDS DATA

Well	Total Dissolved Solids (mg/L)								
No.	6/86 - 5/87	6/87 - 5/88	6/88 - 5/89	6/89 - 5/90	6/90 - 5/91	6/91 - 5/92	6/92 - 5/93	6/93 - 5/94	Mean
MW 1	966	(a)	(a)	(a)	(a)	(a)	(a)	(a)	966
2	879	838	820	969	850	899	888	888	879
3	828	862	913	1025	1021	1091	1066	1090	987
4	656	741	733	932	905	1147	882	913	864
5	796	854	859	1009	1144	1069	1013	997	968
6	851	890	894	928	1145	832	642	678	857
7	875	799	771	795	823	841	860	803	821
8	647	691	700	807	844	973	943	912	815
9	819	706	755	690	769	1049	1024	918	841
10	643	419	469	628	514	517	550	507	531
12	748	680	730	677	704	685	692	662	697
13	771	775	801	805	771	717	741	722	763
16	681	(a)	(a)	(a)	(a)	(a)	(a)	(a)	681
17	752	732	777	764	789	706	740	740	750
18	551	(a)	424	401	406	389	487	428	441
19	789	816	790	753	(a)	(a)	(a)	(a)	787
PWS	801	924	961	849	885	1110	1097	1151	972
20	(a)	(a)	804	857	824	841	892	(a)	844

(a) No Data Available



LEGEND

☐	MUNINCIPAL PONDS
▨	GILROY FPWF
MW	MONITORING WELL
PW	PIEZOMETER WELL
SW	SURFACE WATER MONITORING STATION

0 600 1200
FEET

FIGURE 5
TOTAL DISSOLVED SOLIDS - CONCENTRATION GRADIENT
(JUNE 1986 - MARCH 1994)
South County Regional Wastewater Authority

GIL_TDS.DWG 6/6/94 - GGH

Deep Aquifer. Review of the historical deep aquifer monitoring well (MW 18) TDS data shows no observable increase in TDS concentrations in the deep aquifer beneath the WWTP. The TDS concentration has remained consistently below 500 mg/L since 1987. This pattern is consistent with that observed for the water supply wells in Gilroy and Morgan Hill.

TOTAL DISSOLVED SOLIDS DEFINITIONS

This section presents definitions of TDS and consumptive TDS.

Total Dissolved Solids Concentration

The dissolved mineral constituents in water constitute the dissolved solids. The total solids (TS) content of a water is defined as all of the matter that remains as residue upon evaporation. The total dissolved solids (TDS) concentration represents the fraction of the total solids that can pass through a filter, typically having a nominal pore size of about 1.2 micrometers (μm). TDS concentration is typically measured as parts per million (ppm) or milligrams per liter (mg/L).

Often, the electrical conductivity (EC) of a water is used as a surrogate measure of TDS concentration. Electrical conductivity is a measure of the salinity of a water and is typically expressed as millimhos per centimeter (mmho/cm) or decisiemens per meter (dS/m) One mmho/cm is equivalent to one dS/m. Electrical conductivity and TDS are directly related and convertible within an accuracy of about 10 percent using the following formula:

$$\text{TDS (mg/L)} = \text{EC (mmho/cm or dS/m)} \times 640 \qquad (1)$$

Conventional water and wastewater treatment processes do not remove the dissolved salts present, and generally pass through a water or wastewater treatment plant unaffected. Reverse osmosis (RO) is a suitable technology for the removal of dissolved salts. However, the RO process involves a relatively high capital and operational cost and requires the waste disposal of a concentrated brine solution which is equal to about 20 percent of the influent rate. For this reason, TDS source reduction is a more economical and practical solution to lowering effluent TDS levels than treatment processes.

Consumptive Use TDS

The wastewater influent TDS consists of background TDS found in the water supply and the additional TDS acquired through the use (industrial, agricultural, rural and urban) of the water. This latter portion of TDS is referred to as "consumptive use" TDS. Typically "consumptive use" TDS is defined as the difference between the wastewater influent TDS and water supply TDS concentration. Two factors are involved in the residential "consumptive use" TDS contribution. Wastewater salt concentrations are increased due to processing of the water through the human body where water is extracted but salts are passed on in urine and feces. Another component of consumptive TDS arises from the release of additional dissolved salts through domestic activities such as bathing, washing and laundering. In general, "consumptive use" results in 150 to 400 mg/L increase in TDS concentrations above water supply TDS levels (Metcalf & Eddy, 1991).

SOURCES OF TOTAL DISSOLVED SOLIDS

This section presents a review of the historical water supply TDS, wastewater effluent TDS and percolation pond groundwater TDS data.

Water Supply TDS

Water supply TDS concentrations represent background levels prior to interaction with residential, commercial and industrial water uses. The Department of Health Services (DHS) has established safe water quality standards termed as Maximum Contaminant Levels (MCLs) for several chemical constituents. The MCL for dissolved solids is 1,000 mg/L. Elevated levels of dissolved solids in drinking water can cause high blood pressure conditions. High TDS levels in industrial applications such as steam boilers result in fouling problems. Therefore, water low in TDS is desirable for domestic and commercial use. The historical TDS trends in the Gilroy and Morgan Hill water supplies are discussed below.

Gilroy. A summary of the historical Gilroy water supply TDS concentrations is presented in Table 2. The TDS data in Table 2 indicates an observable increase in TDS concentration in all of the public drinking water wells for the period of record between 1980 and 1991. Prior to October 1989, TDS concentrations in all wells was less than or equal to 400 mg/L. TDS concentrations in excess of 400 mg/L are observed during the period between October

TABLE 2

SUMMARY OF GILROY WATER SUPPLY WELL TDS DATA

Sampling Date	Public Drinking Water Well TDS (mg/L) (a)								
	1	2	3	4	6	7	8	8A	Average
Apr-1980	323	(b)	(b)	(b)	(b)	(b)	(b)	(b)	323
Jan-1982	(b)	(b)	(b)	(b)	340	350	(b)	(b)	345
Feb-1982	320	290	(b)	(b)	(b)	(b)	(b)	(b)	305
May-1982	(b)	(b)	340	260	(b)	(b)	(b)	(b)	300
Jun-1983	(b)	(b)	(b)	(b)	(b)	380	(b)	(b)	380
Jul-1984	(b)	(b)	(b)	220	320	(b)	(b)	(b)	270
Feb-1985	290	340	(b)	(b)	(b)	(b)	(b)	(b)	315
Jun-1985	(b)	(b)	380	260	320	(b)	(b)	(b)	320
Jun-1986	(b)	(b)	(b)	(b)	(b)	340	(b)	(b)	340
Jan-1988	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	345
Feb-1988	330	370	(b)	(b)	(b)	(b)	(b)	(b)	350
Mar-1988	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	357
Apr-1988	(b)	(b)	430	300	(b)	(b)	(b)	(b)	365
Jul-1988	(b)	(b)	(b)	(b)	350	400	300	(b)	350
Oct-1989	398	378	(b)	335	433	416	320	(b)	380
Oct-1989	(b)	(b)	(b)	(b)	(b)	(b)	404	400	402
Dec-1989	451	399	(b)	415	512	556	435	444	459
Jan-1990	403	410	(b)	415	504	555	472	444	458
Feb-1990	442	396	(b)	383	502	435	408	432	428
Feb-1990	432	383	(b)	411	440	526	432	380	429
Mar-1990	337	395	(b)	373	477	509	406	646	449
Apr-1990	429	328	(b)	352	416	456	363	414	394
May-1990	377	373	(b)	333	415	444	394	470	401
May-1990	421	386	(b)	356	476	539	431	473	440
Jun-1990	375	381	(b)	344	428	471	452	459	416
Jul-1990	399	382	(b)	403	465	472	453	495	439
Jul-1990	431	401	(b)	365	451	525	401	402	425
Oct-1990	443	420	(b)	350	401	452	471	503	434
Nov-1990	401	404	(b)	397	499	492	440	(b)	439
Jan-1991	422	(b)	(b)	367	(b)	456	436	401	417
Jan-1991	340	(b)	(b)	(b)	(b)	(b)	(b)	(b)	340
Feb-1991	412	(b)	(b)	372	420	450	410	406	412
Mar-1991	416	396	(b)	381	(b)	467	412	399	412
Apr-1991	(b)	411	(b)	366	415	(b)	432	403	405
May-1991	366	355	(b)	323	385	(b)	387	403	370
Jun-1991	383	342	(b)	365	413	505	387	400	399
Jul-1991	(b)	(b)	(b)	(b)	360	370	(b)	(b)	365
Mar-1992	(b)	(b)	(b)	(b)	(b)	(b)	(b)	300	300
Mar-1993	299	318	(b)	276	314	354	346	310	317
Sep-1993	296	314	(b)	276	314	348	324	308	311
Mar-1994	336	338	(b)	300	316	340	342	304	325
Average	380	371	383	344	411	446	402	417	395
Maximum	451	420	430	415	512	556	472	646	646
Minimum	290	290	340	220	314	340	300	300	220

(a) TDS values sampled after October, 1989 were calculated using TDS = Conductivity x 0.64.
(b) Not measured

1989 and June 1991. After this period there appears to be a decline from the elevated levels. This trend is noticeable in the graph of average monthly (3-month running average) TDS concentration presented in Figure 6. It is possible that the elevated TDS levels observed between October 1989 and January 1991 are related to reduced groundwater recharge due to the drought that occurred between 1986 and 1992. The City of Gilroy drinking water has a current (March 1994) TDS concentration (12-month average) of 341 mg/L, which exceeds the Basin Plan objective for the Llagas Sub-basin, which is 300 mg/L. Llagas Creek has a TDS objective of 200 mg/L.

Morgan Hill. Water supply TDS data for Morgan Hill is presented in Table 3. While the available data is limited, it appears that TDS increases have been observed in at least six of the thirteen wells. Average concentrations in eleven of the thirteen wells remain below 400 mg/L.

WWTP. The influent wastewater to the WWTP is derived from Gilroy and Morgan Hill water supplies. Since 1992, average water supply TDS concentrations are determined for each city twice each year in March and September. Prior to that date, water supply quality data is available at random intervals. A flow weighted average is developed to determine the average water supply concentration for the WWTP. This water supply TDS value is used in monthly reports to the Regional Board and as the basis for determining permit compliance. Since a weighted average was not available prior to September 1992, the WWTP water supply TDS concentration was assumed equal to the average Gilroy water supply TDS concentration. WWTP water supply TDS concentration was interpolated for periods for which data was unavailable. The WWTP water supply TDS concentration is presented in Table 4.

Wastewater Effluent TDS

A composite sample of WWTP effluent TDS is currently taken quarterly as required by the RWQCB Order No. 92-20. A summary of WWTP effluent TDS concentrations is presented in Table 4 along with information on flow and representative water supply TDS levels. This data is presented graphically in Figure 7. Plotted along with effluent TDS concentration is the water supply TDS concentration as well as the regulatory limits that limit effluent TDS levels to either water supply TDS concentration plus a consumptive use of 425 (as is in place currently) or 370 (as proposed). It should be noted that the TDS data presented in Figure 7 prior to 1990 were calculated from electrical conductivity and

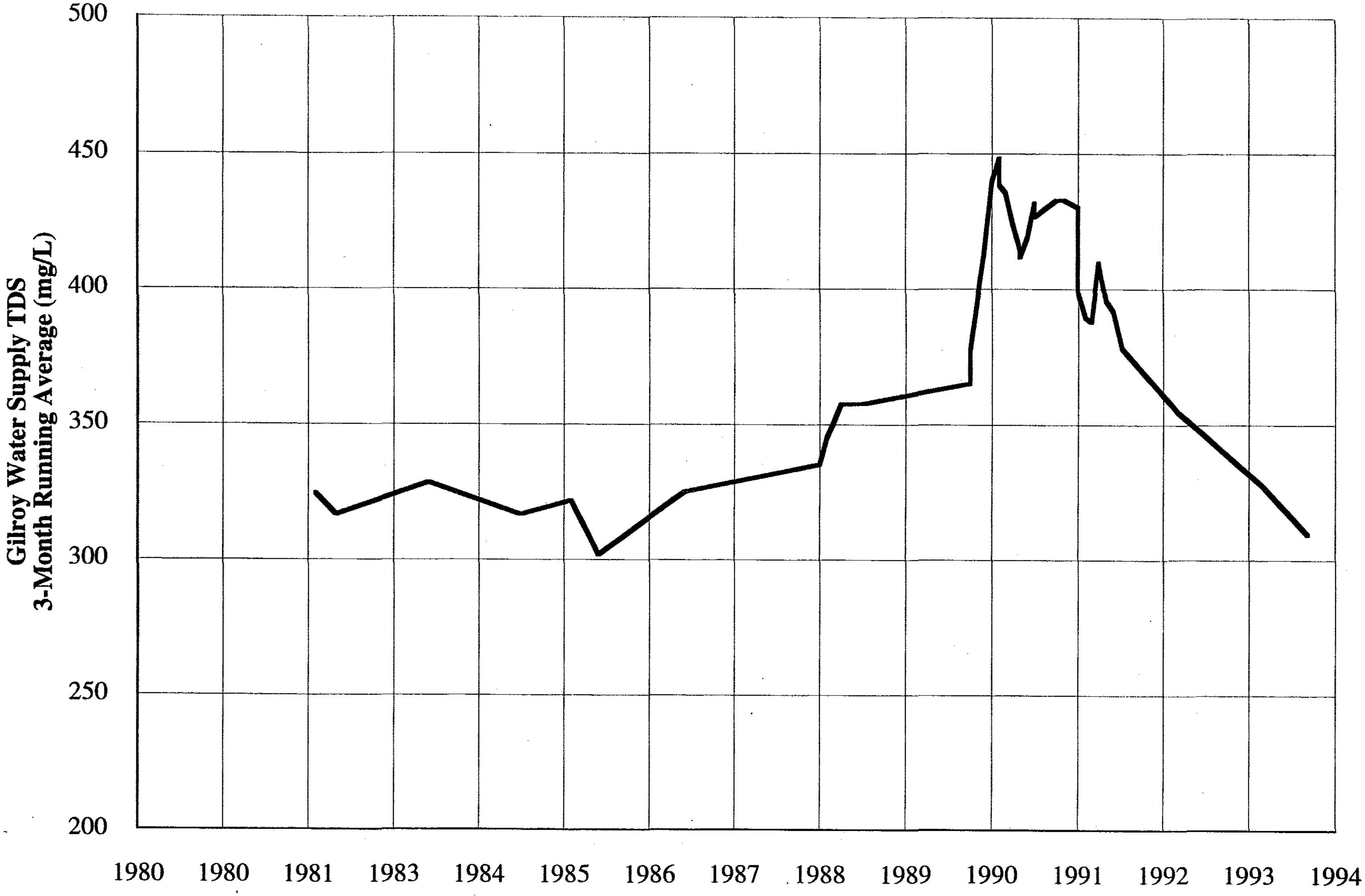


FIGURE 6
AVERAGE GILROY WATER SUPPLY TDS

TABLE 3

SUMMARY OF MORGAN HILL WATER SUPPLY WELL TDS DATA

Well	TDS (mg/L)					
	Sampling Date			Average	Maximum	Minimum
	March-1993	September-1993	March-1994			
Burnett	368	450	468	429	468	368
Boy's Ranch 1	354	(a)	394	374	394	354
Boy's Ranch 2	366	404	390	387	404	366
Boy's Ranch 3	376	406	408	397	408	376
Cochrane	390	418	422	410	422	390
Condit	390	342	382	371	390	342
Diana 1	(a)	344	320	332	344	320
Diana 2	352	378	370	367	378	352
Dunne Well	(a)	350	354	352	354	350
Jackson 1	312	358	324	331	358	312
Jackson 2	372	(a)	368	370	372	368
Main Well	298	316	332	315	332	298
Tennant	282	316	306	301	316	282
Average	351	371	372	364	380	344

(a) Data not available.

TABLE 4

WWTP EFFLUENT TDS DATA

Month	Total Monthly Flow (MG)	Effluent TDS (a)		WWTP Water Supply TDS (b) (mg/L)	Consumptive TDS (mg/L)
		(mg/L)	(1,000 lbs/month)		
Jan-1988	150	680	850	345	335
Feb-1988	139	621	719	350	271
Mar-1988	148	666	823	357	309
Apr-1988	143	612	730	365	247
May-1988	152	736	934	360	376
Jun-1988	152	730	926	355	375
Jul-1988	157	864	1,132	350	514
Sep-1988	151	680	856	353	327
Oct-1988	158	704	925	356	348
Nov-1988	152	640	812	359	281
Dec-1988	156	690	898	362	328
Jan-1989	155	765	990	365	400
Feb-1989	136	749	850	368	381
Mar-1989	146	752	916	371	381
Apr-1989	137	772	880	374	398
May-1989	143	817	975	377	440
Jun-1989	141	746	878	380	366
Jul-1989	150	746	933	383	363
Aug-1989	148	752	926	386	366
Sep-1989	143	714	852	389	325
Oct-1989	146	702	855	391	311
Nov-1989	140	768	897	425	343
Dec-1989	142	620	735	459	161
Jan-1990	145	690	833	458	232
Feb-1990	131	690	757	429	261
Mar-1990	143	690	826	449	241
Apr-1990	136	690	786	394	296
May-1990	141	690	810	401	289
Jun-1990	136	716	814	416	300
Jul-1990	144	716	862	432	284
Aug-1990	143	716	857	432	284
Sep-1990	140	720	842	433	287
Oct-1990	143	720	858	434	286
Nov-1990	138	720	827	439	281
Dec-1990	144	742	889	409	333
Jan-1991	146	742	904	378	364
Feb-1991	132	742	817	412	330
Mar-1991	150	718	901	412	306
Apr-1991	148	718	885	405	313
May-1991	142	718	851	370	348
Jun-1991	133	808	895	399	409
Jul-1991	138	808	932	365	443
Aug-1991	140	808	941	357	451
Sep-1991	137	648	742	349	299
Oct-1991	141	648	762	341	307
Nov-1991	135	648	728	333	315
Dec-1991	141	658	776	325	333
Jan-1992	143	658	784	317	341
Feb-1992	147	732	896	309	423
Mar-1992	149	732	910	300	432
Apr-1992	141	718	847	307	411
May-1992	140	718	841	307	411
Jun-1992	144	718	865	307	411
Jul-1992	154	728	936	307	421
Aug-1992	150	705	880	307	398
Sep-1992	143	657	785	307	350

TABLE 4

WWTP EFFLUENT TDS DATA (Continued)

Month	Total Monthly Flow (MG)	Effluent TDS (a)		WWTP Water Supply TDS (b) (mg/L)	Consumptive TDS (mg/L)
		(mg/L)	(1,000 lbs/month)		
Oct-1992	147	683	836	307	376
Nov-1992	143	721	860	307	414
Dec-1992	152	721	917	307	414
Jan-1993	183	666	1,018	307	359
Feb-1993	157	680	892	307	373
Mar-1993	170	634	899	319	315
Apr-1993	158	697	919	319	378
May-1993	152	681	862	319	362
Jun-1993	132	647	713	319	328
Jul-1993	135	782	878	319	463
Aug-1993	155	810	1,047	319	491
Sep-1993	141	695	818	335	360
Oct-1993	148	702	868	335	367
Nov-1993	141	727	857	335	392
Dec-1993	154	717	923	335	382
Jan-1994	155	747	965	335	412
Feb-1994	143	735	879	335	400
Mar-1994	163	713	969	341	372
1988 Average	151	693	873	356	337
1989 Average	144	742	891	389	353
1990 Average	140	708	830	427	281
1991 Average	140	722	845	370	352
1992 Average	146	708	863	307	400
1993 Average	152	703	891	322	381
1994 Average (Jan - Mar)	154	732	938	337	395
Average (1/88 - 3/94)	146	714	868	361	353

(a) Effluent TDS values sampled before Jan-90 were calculated using TDS = Conductivity x 0.64.

(b) Flow weighted average from September 1992 to present. Prior to September 1992 the value is estimated as the average Gilroy water supply concentration.

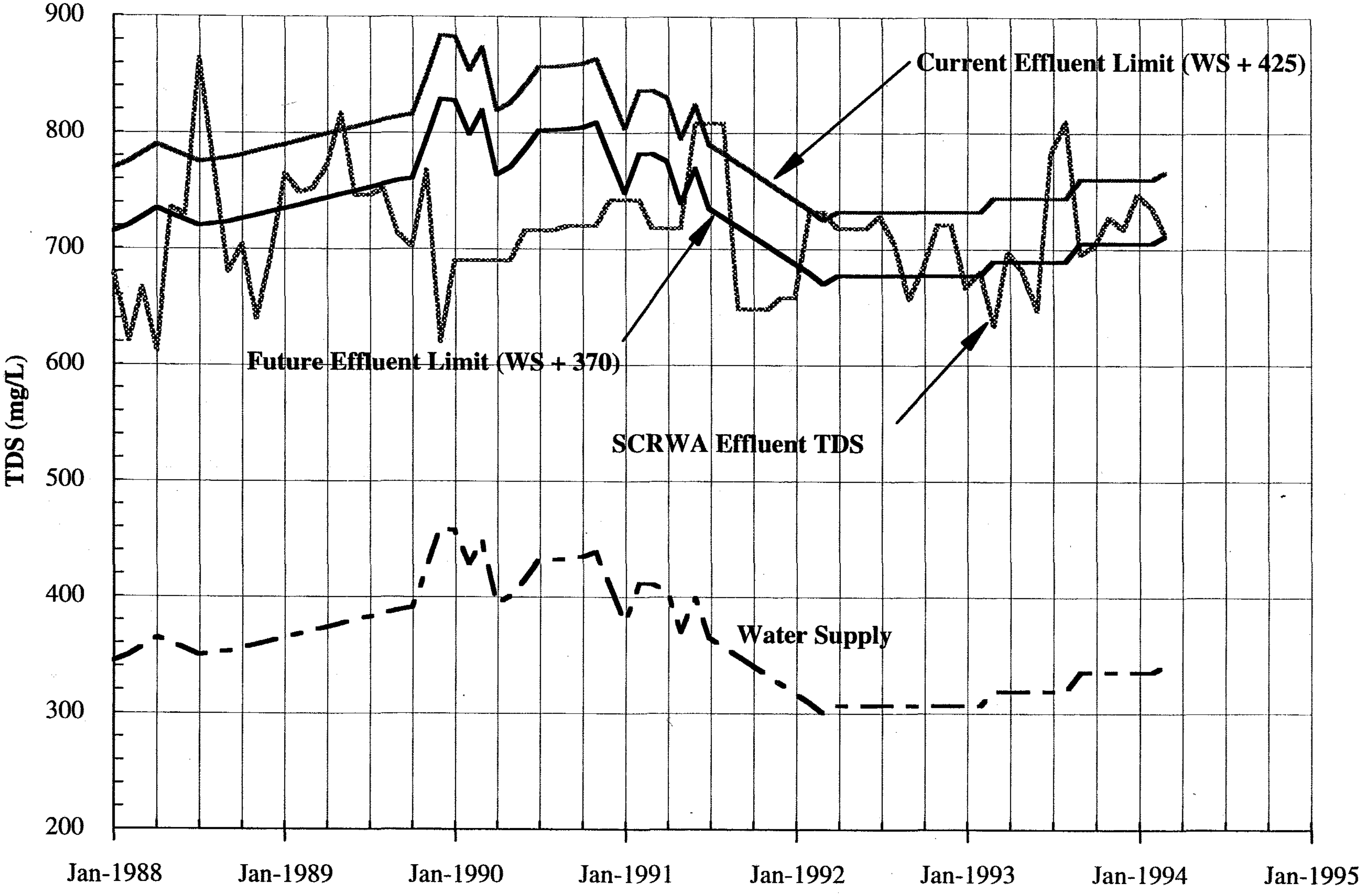


FIGURE 7
TDS LEVELS AT SCRWA WWTP

therefore may be less consistent than data available after 1990. It should also be noted that water supply TDS data prior to September 1992 is assumed to equal the Gilroy water supply TDS concentration as discussed above.

From this plot it can be seen that the effluent discharge has generally been in compliance with the water supply plus 425 mg/L limit. The WWTP has been able to meet the proposed water supply plus 370 mg/L limit in the past, although recent data indicate that without further reductions in TDS loadings to the WWTP, compliance with the limit would be difficult to achieve on a consistent basis. While the average consumptive use TDS concentration over the period between January 1988 to March 1994 was measured to be 353 mg/L, analysis of the TDS data for the last three years indicates consumptive use TDS concentrations in excess of the proposed 370 mg/L limit.

TDS Contributions from Municipal and Industrial Facilities. Efforts to lower TDS concentrations in the wastewater effluent must focus on lowering the TDS concentrations in the influent since TDS reduction within the WWTP is negligible. Although municipal and industrial flows contribute less than 10 percent of the overall flow to the WWTP (Gilroy Fire Department Chemical Control Division), these facilities may be a source for significant TDS reductions. Industrial flow contributions are expected to increase slightly to 13 percent of the total plant flow by 2008 (EIR for the Long Term Wastewater Management Plan, 1990).

The Gilroy Fire Department's Chemical Control Division has conducted random grab sampling of TDS from commercial, industrial and residential users of the sewer system since June 1992 to identify sources of high level TDS contributions to the WWTP. The information compiled from this work is presented in Table 5 and represents a partial, random survey of municipal and industrial facilities in Gilroy. The Chemical Control Division estimates that the facilities sampled on Table 5 represent less than 10 percent of the total number of facilities.

The majority of industrial facilities sampled had TDS concentrations in excess of the WWTP effluent TDS. Therefore industrial facilities contribute a greater share of WWTP TDS loadings than they account for in flow. This indicates that significant reductions in TDS loadings can be achieved by focusing on reducing or restricting discharges of certain categories of users based on either high TDS concentrations or high flows.

TABLE 5

COMMERCIAL AND INDUSTRIAL FACILITY SAMPLING SUMMARY (a)

Sample Date	Name	Type	TDS (mg/L)	Estimated Flows
Commercial Facilities				
Feb-1-93	Gilroy Unified School District	Maintenance	582	500 gpd
Industrial Facilities				
Jun-24-92	Wiltron, MH - Bldg. 1	Electronics	120	NA
Jul-23-92	Wiltron, MH Clean & Finish	Electronics	210	NA
Sep-29-92	Dusan	Electronics	570	NA
Jul-28-93	Wiltron	Electronics	350	NA
Sep-21-93	Dusan Corp.	Electronics	539	NA
Feb-1-93	Blossom Valley	Food Processor	1,517	2,500 gpd
Dec-23-92	Cintas	Laundry	1,200	NA
Apr-6-93	Cintas	Laundry	11,000	NA
Apr-14-93	Lohmar	Laundry	1,400	371,000 gpd
Jun-10-93	Lohmar	Laundry	1,430	370,000 gpd
Feb-4-93	Ratek	Machine Shop	132	NA
Feb-4-93	Ratek	Machine Shop	432	NA
Mar-5-93	Germain Seeds	Seed Processor	1,016	1,460 gpd
Mar-15-93	Germain Seeds	Seed Processor	8,972	1,460 gpd
Mar-25-93	Germain Seeds	Seed Processor	1,090	1,460 gpd
Apr-12-93	Germain Seeds	Seed Processor	1,650	1,500 gpd
Apr-15-93	Germain Seeds	Seed Processor	2,256	1,500 gpd
Sep-12-93	Germain Seeds	Seed Processor	6,508	1,500 gpd
Feb-1-93	Servisoft	Water Softener	3,186	350 gpd
Sewers				
Jan-15-93	Manhole	Manhole	440	NA
Feb-1-93	Manhole	Manhole	1,146	NA
Feb-1-93	Manhole	Manhole	1,582	NA

(a) Data provided by Gilroy Fire Department Chemical Control Division.

TDS Contributions From Residential Water Softeners. Residential water softeners have been known to be a significant source of TDS loadings to WWTPs, particularly in areas serving residential communities with a hard water supply. The Irvine Ranch Water District (IRWD) estimates that 36 percent of the homes in their service area have water softeners. The City of Vacaville estimates that at least 75 percent of the residences and commercial buildings use water softeners (DWR, Investigation of Cause of Increase in Chloride Concentration, 1981). The exact extent and impact of water softener use in the Gilroy community is not known, although it can be estimated from the available information.

Water softeners remove the positively charged ions that contribute to hardness. They must be periodically regenerated to restore the capacity of the unit. In the case of self-regenerative water softeners, this is accomplished by rinsing the unit with a sodium chloride solution. This results in a discharge high in TDS concentration. A study performed for IRWD estimated an increase in TDS of between 285 and 432 mg/L from the use of residential self-regenerative water softeners. Other forms of water softeners are available that have a smaller impact on TDS loadings. A cartridge water softener exists that allows off-site regeneration, thus minimizing the amount of TDS increase in the residential waste stream. The same IRWD study estimated an increase of between 6 and 15 mg/L in TDS levels from these softeners.

The water supply in Gilroy has historically been considered very hard. Between 1980 and 1988, hardness in the Gilroy water supply averaged 222 mg/L as $CaCO_3$. The March 1994 water supply hardness averaged 206 mg/L for Gilroy and 248 mg/L for Morgan Hill. A hardness between 180 mg/L to 350 mg/L is considered very hard, while hardness must be reduced to less than 60 mg/L to be considered soft (Civil Engineering Reference Manual, 1992). An informal survey of local water softening companies indicates that there are several thousand residences with water softening devices, roughly half of which are self-regenerative systems. Based on this information, it can be assumed that between 15 and 40 percent of the residences in the Gilroy-Morgan Hill area use some form of self-regenerative water softening. However, a detailed investigation is required to accurately estimate the use of regenerative water softeners in the Gilroy - Morgan Hill area.

TDS Contributions From Residential Pools. Several residential swimming pools were sampled as part of the 1993 sampling program. This information is presented on Table 6. It can be seen that the residential swimming pools had TDS concentrations that

TABLE 6

RESIDENTIAL FACILITY SAMPLING SUMMARY (a)

Sample Date	Name	Type	TDS (mg/L)	Estimated Volume
Residential Facilities				
Apr-6-93	Oaks Apt	Pool	2,800	25,000 gal
May-1-93	Jeff Waterson	Pool	2,600	25,000 gal
May-11-93	T. Kerns	Pool	2,600	18,000 gal
May-11-93	Robert Humber	Pool	2,200	25,000 gal
May-19-93	753 Gettysburg	Pool	2,800	10,000 gal
May-24-93	8205 Wayland	Pool	4,900	22,000 gal
Jun-10-93	Howell	Pool	3,100	15,000 gal
Jun-30-93	Dickenson	Pool	1,898	15,000 gal
Jul-16-93	R. Chavez	Pool	1,888	25,000 gal
Jul-28-93	Tom Lister	Pool	1,520	25,000 gal
Aug-5-93	Jolie Church	Pool	760	500 gal
Aug-18-93	John McCarry	Pool	860	18,000 gal
Sep-7-93	Rich Inler	Pool	1,800	17,000 gal
Sep-15-93	Doug Nelson	Pool	1,600	13,000 gal
Nov-16-93	P. Calempong	Pool	3,000	45,000 gal
Nov-18-93	Gary Toscans	Pool	4,800	18,000 gal
Nov-18-93	I. Geron	Pool	4,900	20,000 gal
Dec-9-93	S. Bakowski	Pool	7,050	20,000 gal

(a) Data provided by Gilroy Fire Department Chemical Control Division.

ranged between 760 mg/L and 7,050 mg/L. The Fish and Game Department bans the discharge of swimming pools to the storm drain due to potential impacts (from chlorine) to fish and wildlife in the receiving environment. Therefore, swimming pools will continue to be discharged to the WWTP. It should be recognized that swimming pool draining occurs infrequently (about once per year per household) and is expected to cause some TDS increase at the WWTP. In any event, TDS contributions from swimming pools is expected to be a small fraction of WWTP influent TDS loads. Therefore it is unlikely that efforts to reduce WWTP effluent TDS by restricting pool discharges would result in significant decreases in overall TDS loadings.

TDS Contributions from Water Conservation. Increased TDS concentrations could also result from the success of the Cities' water conservation programs. In the past several years, California has experienced severe drought conditions and Gilroy and Morgan Hill have adopted water conservation measures (See Appendix A). For example, new housing in the service area built since 1992 is required to be fitted with low-flush toilets. The decrease in wastewater flows due to water conservation measures results in increased TDS concentrations, but per capita mass TDS loading is expected to remain unchanged. To verify this assumption, a review of the service area (Gilroy and Morgan Hill) population between 1985 and 1993 is presented in Table 7 along with the related water supply, WWTP effluent TDS and consumptive TDS concentrations and loadings.

A time-series plot of the mass TDS loadings (water supply and consumptive use) versus the service area population is graphically presented in Figure 8. Contrary to the assumptions stated above, it appears that consumptive TDS loadings have declined over this period. Since 1985, consumptive TDS loadings have fallen an average of at least 4 percent per year despite a corresponding 3 percent average growth rate. It is important to note that consumptive TDS loadings decreased from 1985 to 1990, after which time they have returned to 1990 levels. This trend can be attributed to significant changes in water consumption patterns in residences, industry and commercial facilities. A possible explanation for decreased mass TDS loadings could be the result of reduced commercial/industrial discharges. It should be noted that the Authority has an active pretreatment/source control program that regulates commercial/industrial discharges to the WWTP.

TABLE 7

CONSUMPTIVE TDS TRENDS WITH SERVICE AREA POPULATION

Year	Population			Average Daily Per Capita Water Consumption (a)	Average Water Supply TDS (b)			Average WWTP Effluent TDS			Consumptive Use TDS (c)		
	Gilroy	Morgan Hill	Total	(gal/cap/day)	(mg/l)	(lb/day)	(lb/capita/day)	(mg/l)	(lb/day)	(lb/capita/day)	(mg/l)	(lb/day)	(lb/capita/day)
1985	26,132	19,918	46,050	193	318	23,551	0.51	898	66,610	1.45	581	43,059	0.94
1986	26,892	20,803	47,695	198	340	26,798	0.56	683	53,832	1.13	343	27,034	0.57
1987	27,459	21,450	48,909	200	348	28,395	0.58	685	55,923	1.14	337	27,527	0.56
1988	28,847	22,400	51,247	199	356	30,270	0.59	693	58,984	1.15	337	28,714	0.56
1989	29,534	23,823	53,357	165	389	28,583	0.54	742	54,520	1.02	353	25,937	0.49
1990	31,487	23,928	55,415	165	427	32,589	0.59	708	54,029	0.97	281	21,440	0.39
1991	31,769	24,728	56,497	143	375	25,260	0.45	722	48,683	0.86	347	23,423	0.41
1992	31,909	25,064	56,973	152	307	22,219	0.39	708	51,171	0.90	401	28,952	0.51
1993	32,695	25,703	58,398	150	325	23,780	0.41	702	51,322	0.88	377	27,542	0.47

(a) Data supplied by and represents the City of Gilroy.
(b) After September 1992 TDS concentration is based on flow weighted average. Prior to that date, data is based on Gilroy water supply TDS concentration.
(c) Consumptive Use is defined as Effluent TDS - Water Supply TDS

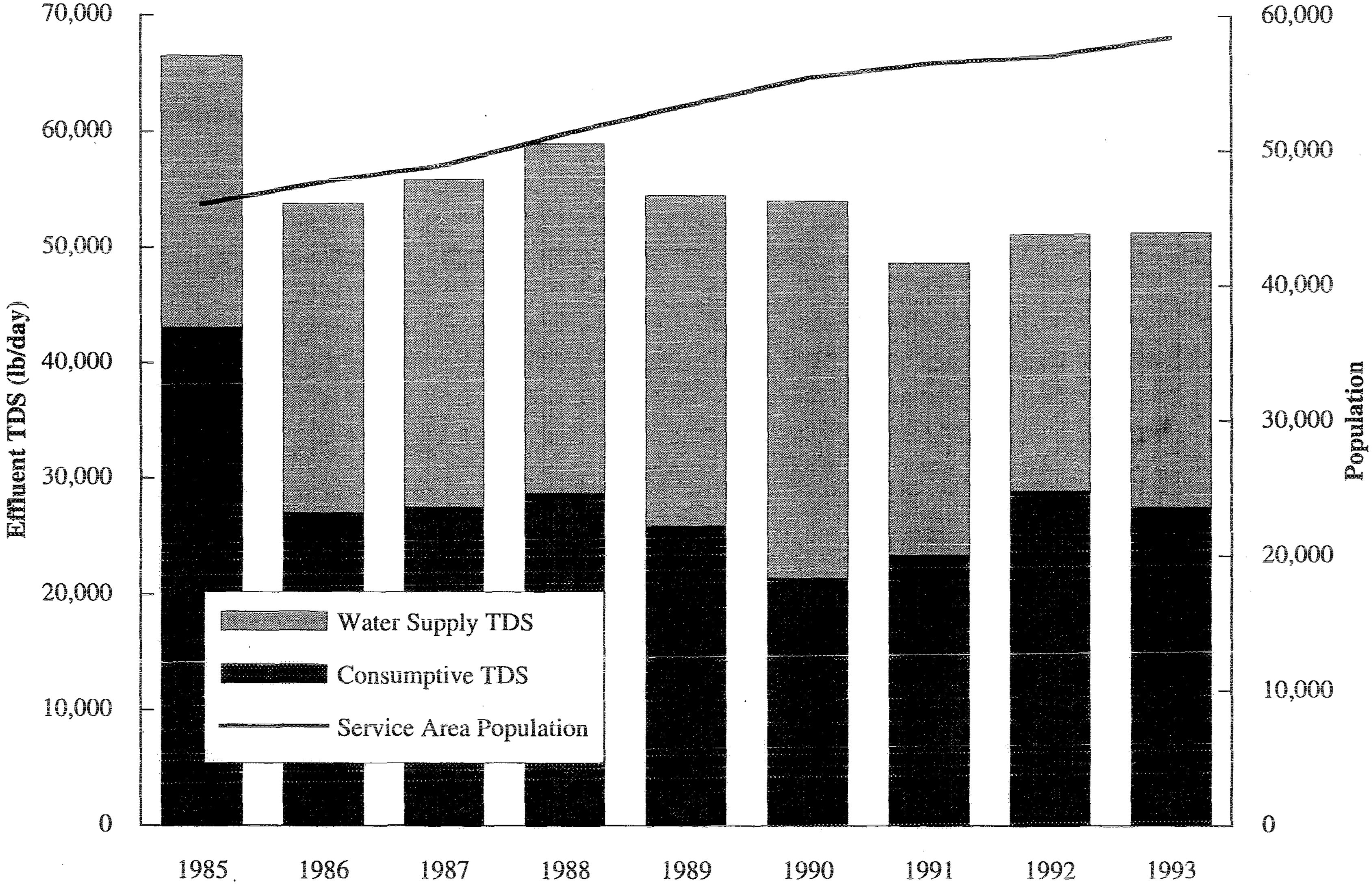


FIGURE 8
CONSUMPTIVE AND WATER SUPPLY TDS CONTRIBUTIONS VERSUS TIME AND POPULATION

Food Process Effluent TDS

The annual food process wastewater loading is significantly lower than municipal effluent and averages about 135 million gallons per year. In 1993, food process wastewater TDS concentration had a weighted average of 1,747 mg/L. This corresponds to an average annual TDS load of 984 tons. Although this is less than one-fifth the municipal wastewater annual TDS loading, on a monthly basis the FPWF TDS loading is three-fourths the municipal WWTP monthly TDS loading. As noted above in the discussion on groundwater, TDS concentrations are highest beneath the food process ponds. Therefore, FPWF wastewater represents another significant source of TDS. A comparison of municipal WWTP and FPWF effluent flow and TDS loading is presented in Figure 9.

The TDS in the food process effluent (from Gilroy Canning) varies as a result of several factors such as the type of canning operations, ripeness of the fruit, quantity of tomatoes processed, amount of soil transported with the tomatoes, chemicals used for housekeeping and equipment cleanup and water use practice. During the past few years, Gilroy Canning has made concerted efforts to reduce the total water consumption. This practice has a negative impact on overall TDS concentration. However, improved canning operations could potentially reduce the overall TDS discharge to the FPWF.

METHODS TO REDUCE TDS

Having identified major contributors of TDS loadings to the WWTP, it is necessary to determine practical approaches for mitigating or reducing these loadings. Since additional TDS removal through the WWTP process is not feasible, other methods of TDS control must be considered. These are identified below for each of the major TDS contributors. This section is intended as an identification of the strategies that can be employed in TDS mitigation efforts, and not as a detailed description of the efforts themselves. Further investigation into the implementation and methods for TDS control is recommended.

Commercial and Industrial Sources

The random effluent TDS sampling program conducted by the Chemical Control Division has demonstrated its effectiveness in identifying sources of high TDS discharges. It is recommended that this program be continued as it enables high TDS dischargers to be targeted for TDS reductions. This can be achieved through the creation of source control

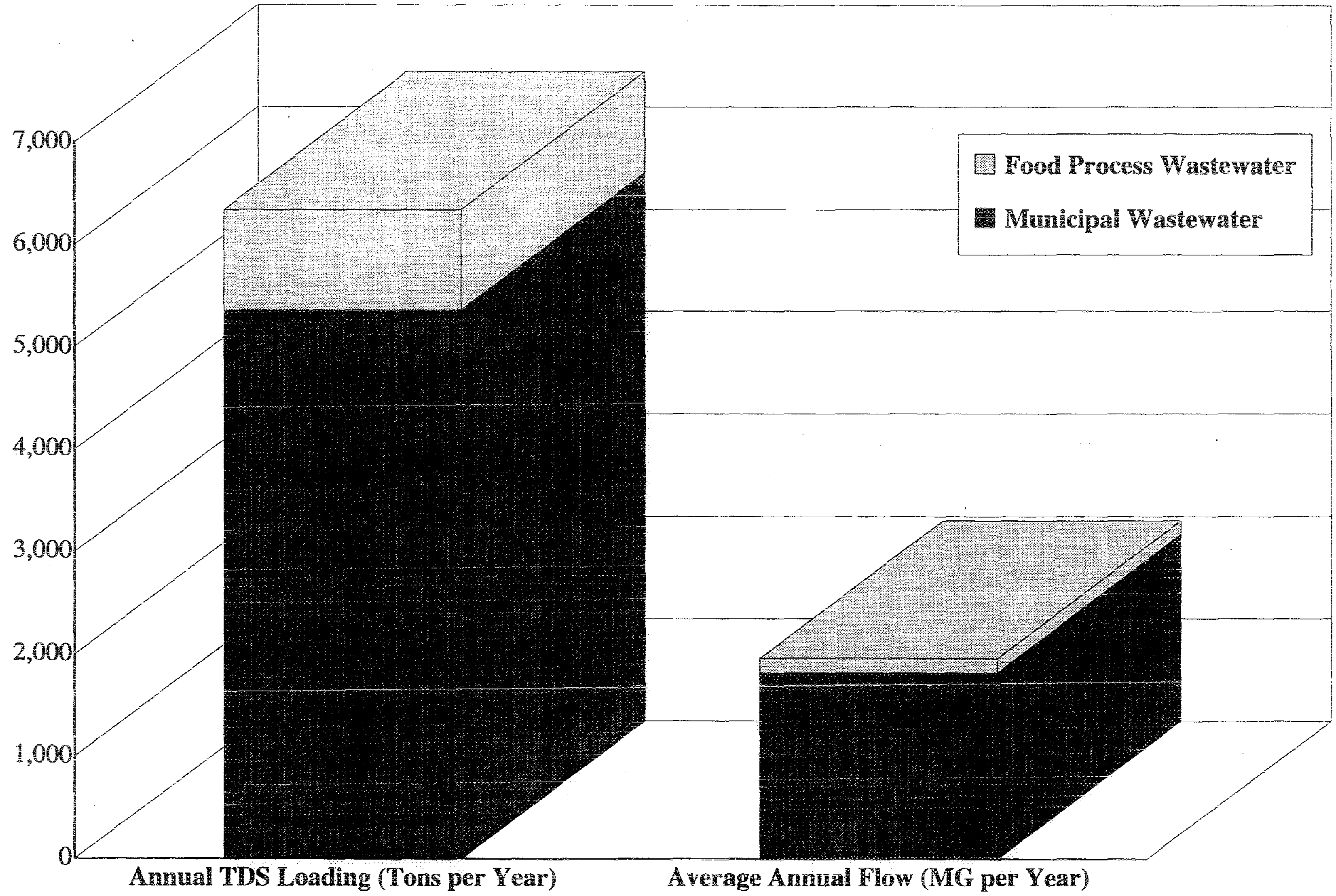


FIGURE 9
COMPARISON OF MUNICIPAL AND FOOD PROCESS WASTEWATER FLOW AND TDS LOADING

and/or pretreatment requirements. In many cases, TDS discharges can be significantly reduced through the implementation of best management practices (BMPs). It is recommended that the Authority identify BMPs for the reduction of TDS and assist commercial and industrial facilities with implementation of these BMPs.

Residential Sources

As mentioned earlier, self-regenerative water softeners can have a significant impact on the TDS loadings to the WWTP. Methods to reduce the impact from this TDS source include an ordinance banning the use of self-regenerative water softeners and public education, or a combination of the two. A TDS ordinance can be effective at preventing future installation of water softening devices. However, in order to be effective, some form of water softening alternative, such as cartridge filters or off-site water softening services, must be available to replace the banned unit. In any case, a TDS mitigation program is more likely to be successful with a public that is informed of the impact of their water softening devices on the local environment. Further discussion of TDS ordinances is presented in a later section.

Food Processing

For the period for which the food processing facility is operational, food process wastewater represents a significant TDS load at the WWTP. It is recommended that the Authority work with the food processor to identify BMPs and good housekeeping practices that can result in reductions in TDS loadings to the WWTP.

SURVEY OF MUNICIPAL EFFLUENT TDS DATA

A survey of 31 municipal WWTPs was conducted to provide comparison of TDS concentration data with the Authority's municipal wastewater influent. The WWTPs were contacted to determine their effluent and water supply TDS concentrations, effluent receiving environment and drinking water supply data. This information is summarized in Table 8 along with the Authority's WWTP data.

Of the thirty-one WWTPs surveyed, only two WWTPs had a limit imposed on their effluent TDS concentration. These were Chino Basin Regional WWTPs No. 1 and 2, which discharge to a tributary of the Santa Ana River. While the TDS limit for the two

TABLE 8

RESULTS OF DRINKING WATER AND MUNICIPAL EFFLUENT TDS SURVEY

Facility Name	Effluent Receiving Environment	Effluent TDS (mg/l)	Drinking Water TDS (mg/l)	Drinking Water Source (a)	Calculated Consumptive Use TDS (b) (mg/l)
South County Regional WWTP	Land	708 (c)	317	GW	391
Metcalf & Eddy	--	250 - 850 (e)	--	--	150 - 400 (f)
1 Ridgemark Estates WWTF	Land	2,200 - 2,300	700 - 750	GW	1,500
2 City of Soledad WWTP (d)	Land	973	530	GW	440
3 San Jerado, Inc.	Land	610 - 730	365	GW	245 - 365
4 Chular County San. District	Land	NA	200 - 400	GW	NA
5 City of Hollister	Land	1,100	900 - 1,000	GW	100 - 200
6 King City WWTP	Land	920	388	GW	532
7 U.S. Army Fort Hunter Liggett	Land	400 - 500	NA	NA	NA
8 Laguna Seca WWTP	Land	800	200 - 400	GW	400 - 600
9 Las Palmas WWTP	Land	800	200 - 400	GW	400 - 600
10 Carmel Valley Ranch WWTP	Land	800	200 - 400	GW	400 - 600
11 San Ardo Water District	Land	595	338	GW	260
12 City of Manteca	Land/River	614	265	GW	349
13 Eastern Municipal Water District	Land	650	400 - 580	SW,GW	70 - 250
14 Palo Alto RWQCP	Bay	800 - 900	<50	SW, GW	750 - 850
15 Delta Diablo San. District	Bay	913	430	SW	480
16 San Francisco SEWPCP	Bay	1789	31 - 162	SW	1630 - 1760
17 EBMUD WWTP	Bay	NA	67	SW	NA
18 Contra Costa Central San. Dist.	Bay	600	414	SW	186
19 Fairfield - Suisuin San. District	Bay	750	350	SW	400
20 City of Vacaville	Delta	583	40 - 400	SW, GW	180 - 540
21 Monterey Regional WWTP	Ocean	900	NA	GW	NA
22 San Diego WWTP	Ocean	1130	500	SW	630
23 San Francisco RSWPCP	Ocean	663	31 - 162	SW	501 - 632
24 San Jose WPCP	Bay	700 - 900	220	SW, GW	480 - 680
25 Chino Basin Region Plant #1 (g)	River	499	278	SW	221
26 Chino Basin Region Plant #2 (h)	River	584	321	SW	263
27 Roseville Regional WWTP	River	433	63	SW	370

TABLE 8

RESULTS OF DRINKING WATER AND MUNICIPAL EFFLUENT TDS SURVEY (Continued)

Facility Name	Effluent Receiving Environment	Effluent TDS (mg/l)	Drinking Water TDS (mg/l)	Drinking Water Source (a)	Calculated Consumptive Use TDS (b) (mg/l)
28 Ojai Valley Sanitary District	River	1,500	370 - 700	SW, GW	800 - 1,130
29 Simi Valley County San. District	River	800 - 1100	400 - 3,000	SW, GW	NA
30 City of Henderson, NV	Lake	1,250 - 1,500	600 - 700	SW	550 - 900
31 City of Farmington, NM	River	741	346	SW	395

(a) GW - groundwater, SW - surface water
(b) Consumptive use is defined as the difference between effluent TDS and drinking water TDS.
(c) Average from Jan 1992 to March 1994.
(d) Flow from the Soledad Correctional Facility's WWTF will be diverted to the City of Soledad's WWTP beginning June, 1995.
(e) Metcalf & Eddy, 3rd ed., Table 3-16
(f) Metcalf & Eddy, 3rd ed., Table 3-19
(g) Chino Basin Regional Plant No. 1 has a TDS limit of 515 mg/L imposed on them by the Regional Board.
(h) Chino Basin Regional Plant No. 2 has a TDS limit of 610 mg/L imposed on them by the Regional Board.
NA - Not available

Chino Basin WWTPs are set as fixed limits, TDS limits for the other six WWTPs in the Santa Ana River Basin are set as water supply plus a consumptive TDS of 250 mg/L.

As shown in Table 8, the Authority's wastewater consumptive use TDS concentration is about 391 mg/L, within the range of typical consumptive TDS concentrations. Of the 31 WWTPs surveyed, at least 16 had average consumptive TDS concentrations greater than that observed in Gilroy. The consumptive use TDS concentration at the remaining WWTPs was similar in magnitude to that observed in Gilroy, with only 9 plants having lower consumptive use TDS concentrations. Of the 13 WWTPs surveyed that discharge to the land, many of which are located in the Central Coast Region, 6 had consumptive TDS concentrations greater than that observed at Gilroy, with the remainder having similar or lower consumptive TDS concentrations than that observed at Gilroy.

It is also interesting to note that almost all of the WWTPs that discharge effluent to surface waters (*e.g.*, river, bay, ocean) appear to have equal or greater consumptive use TDS concentrations than the Authority's municipal wastewater. This may be due to the heavier concentration of population and industry found near coastal and surface water environments. This survey confirms that the Authority's wastewater TDS characteristics are within the range of typical municipal wastewater and does not have unusually high TDS levels.

REVIEW OF TDS MITIGATION ORDINANCES

Recently, there has been considerable attention on state and local ordinances related to the residential use of self-regenerating water softeners as potential sources of significant TDS contributions. This section presents a brief overview of state and other local ordinances associated with the residential use of water softeners. The ordinance review is presented below.

California Health and Safety Code

Chapter 7.8, Part 1 of Division 5 of the California Health and Safety Code (Code) places restrictions on the installation of residential self-regenerating water softening devices in areas served by sewage treatment plants which have been limited with regard to salt loading pursuant to the Porter-Cologne Water Quality Control Act. Under the Code, water softening appliances must either be maintained such that the regeneration of the appliance is performed at a nonresidential facility or the device must meet a specified salt efficiency level and the installation of the device must be accompanied by the simultaneous installation of specified conditioned water conservation devices. A copy of the Code is included in Appendix B.

Northern Metropolitan San Diego System

Effluent TDS concentrations from the North Metro System have increased during recent years. Current TDS levels are in excess of concentrations determined to be suitable for water reclamation uses. An average effluent TDS concentration of 1,130 mg/L has been observed with concentrations ranging as high as 2,400 mg/L. It is thought that much of the increase in TDS is due to recent drought conditions, increases in background TDS levels in the water supply (a blend of Colorado River and State Project water) and industrial, commercial and residential discharges. Northern Metro has proposed a series of salinity control measures including operational and managerial changes to reduce these levels. Brine discharges to the wastewater system have been restricted as part of the model water reclamation ordinance set for the system.

A number of agencies (Poway - Ordinance No. 290, Escondido - Ordinance No. 91-3) have adopted ordinances that restrict the use of permanent, self-regenerating water softeners and also have effective industrial discharge programs to reduce salinity in the wastewater. Currently, the ordinances have not been actively enforced. A court case (City of Escondido vs. Pacific Water Quality Association) is in progress with respect to water softener use in individual homes. The outcome of this case may impact the effectiveness of these ordinances.

Irvine Ranch Water District

Irvine Ranch Water District (IRWD) has an active wastewater reclamation program. In order to ensure the quality of reclaimed water, IRWD has issued an ordinance on self-regenerative water softeners. Brine waste discharge from such a water softener is prohibited along with the installation of such units. A copy of the IRWD ordinance is presented in Appendix B along with a copy of telephone conversation notes with IRWD staff. IRWD staff indicated that with over 85 percent of the total WWTP flow contributed from residences, control of self-regenerative water softeners is the single most useful method of TDS control. They indicated that there are several key issues that make their control of TDS effective.

- IRWD has a long standing reclamation system that is highly visible and has a high reclamation education program. Another key is that Irvine had the ordinance in effect well before major development took place.
- The City of Irvine also adopted the ordinance, allowing the City to use its police powers to have water softeners taken out.
- Other water softening options are readily available. These include cartridge water softeners and companies that periodically collect brine.
- A provision for WWTP approval on transfer of ownership deals enables the removal of previously installed water softeners without direct intervention.

Summary

Based on the informal survey of communities with TDS mitigation ordinances in effect, it appears that an ordinance can be a useful TDS control for the Authority. However, the usefulness of such a measure is limited by pending legal decisions and the method of implementation. If a TDS ordinance is chosen for implementation, it would likely benefit by incorporating several of the measures included in the IRWD ordinance described above.

APPENDIX A

CITY OF GILROY WATER REDUCTION PROGRAM

REVISED

CITY OF GILROY
1991
WATER REDUCTION PROGRAM

Water Uses Prohibited:

1. Water waste, including, but not limited to, flooding or runoff on sidewalks, driveways, streets, gutters and similar outdoor surfaces.

2. Cleaning/washing of sidewalks, driveways, filling station aprons, patios, porches, parking lots or other paved or hard-surfaced areas, except for cleaning/washing for health purposes, as required by the Public Health Code.

3. Washing of the exterior of dwellings, buildings and structures with the exception of window washing and washing in direct conjunction with the painting of the structure.

4. Use of water through a hose without a positive automatic or manual shutdown valve on the outlet end of the hose. Commercial automobile washing is permitted when water is recycled within an approved tolerance.

5. Operation of decorative fountains, unless they utilize a recirculating system.

6. Use of water for construction purposes, such as consolidation of backfill, unless no other source of water or method can be used.

7. Waste of water due to broken or defective plumbing, sprinklers, and watering/irrigation systems.

8. Restaurant water service unless upon request.

9. Hydrant flushing, except where required for public health and safety.

10. Re-filling of existing private pools, except to maintain water levels. (Solar blankets/covers are recommended.)

11. Outside landscape irrigation for any residential, business or industrial purpose between the hours of 10:00 a.m. and 6:00 p.m.

    a. Drip irrigation systems and the use of reclaimed water are exempt from the provisions of this section.

Other Requirements

1. Require water audit for large industrial, commercial, and multi-family residential water users.

Revised 05/07/91

REVISO

1991

PROGRAMA PARA REDUCIR EL USO DEL AGUA

No se permite:

1. Desperdicio de agua, incluyendo pero no limitado a, desbordamiento o escurrimiento en las aceras, entrada de coches, tragantes, calles y/o superficies similares fuera de la casa.

2. Limpiar o lavar aceras, entradas de coches, gasolineras, patios, corredores u otras áreas pavimentadas o con superficie dura, excepto si se limpia o lava con fines sanitarios como es requerido por el Código de Salud Pública.

3. Lavar el exterior de las residencias, edificios y construcciones con excepcion del lavado de ventanas y cuando las construcciones se están pintando.

4. Usar agua con una manguera que no tenga válvula que automática o manualmente controle el cerrar o abrir el flujo del agua. Comercios para lavar carros es permitido cuando el agua es recolectada y usada dentro de las tolerancias aprobadas.

5. Uso de fuentes decorativas, si tengan sistema de rotación de agua.

6. Uso de agua para la construcción, tales como consolidación de sobras a no ser que no se pueda usar otro método.

7. Desperdicio de agua debido a la ruptura o mal funcionamiento de la plomería, regaderas o en los sistemas de irrigatión.

8. En el restaurante no se servirá agua a no ser que el cliente lo solicite.

9. Fuentes de agua para tomar, excepto cuando es requerido debido a la salud y seguridad del público.

10. Llenar las piscinas privadas existentes, excepto si es para mantener el nivel de agua. (Se recomienda cubrir la piscina cuando no se está usando)

11. No se puede regar en las residencias, negocios o en las industrias entre las horas de 10:00 A.M. a las 6:00 P.M.

    a. Tanto el sistema de irrigación de goteo como el agua que se ha recuperado y puede utilizarse nuevamente, están exentos de lo estipulado en ésta sección.

Otros Requisitos:

1. Se requiere una auditoría del agua que se usa en las industrias grandes, comercios y residencias multi-familiares.

APPENDIX B

TDS MITIGATION ORDINANCES

the state prison for 16 months, two, or three years, subject to a fine not to exceed twenty thousand dollars ($20,000), or both.

(c) For purposes of this section, the term "tamper" means either of the following:

(1) To introduce a contaminant into a public water system with the intention of harming persons.

(2) To otherwise interfere with the operation of a public water system with the intention of harming persons.

(Added by Stats.1989, c. 823, § 61.)

Chapter 7.5

BOTTLED WATER [REPEALED]

Chapter 7.5, added by Stats.1972, c. 778, § 1, was repealed by Stats.1987, c. 639, § 1.

§§ 4040 to 4044.4. Repealed by Stats.1987, c. 639, § 1

Historical and Statutory Notes

Section 4040, added by Stats.1972, c. 778, § 1, amended by Stats.1973, c. 902, § 13; Stats.1984, c. 1033, § 1; Stats.1985, c. 944, § 2, provided definitions relating to bottled water.

Section 4041, added by Stats.1972, c. 778, § 1, amended by Stats.1973, c. 902, § 14; Stats.1984, c. 1033, § 2; Stats.1985, c. 944, § 3, related to regulations and standards for bottled water.

Section 4041.1, added by Stats.1972, c. 778, § 1, amended by Stats.1973, c. 902, § 15; related to bacterial analysis of bottled water.

Section 4041.2, added by Stats.1972, c. 778, § 1 prohibited sale of non-complying bottled water.

Sections 4041.3 and 4041.4, added by Stats. 1972, c. 778, § 1, amended by Stats.1973, c. 902, §§ 16 and 17, related to water-vending machines.

Sections 4042, 4042.1 and 4042.2, added by Stats.1972, c. 778, § 1, amended by Stats.1973, c. 902, §§ 18 to 20, related to licensing of bottled-water plants and vending machines.

Section 4042.3, added by Stats.1972, c. 778, § 1, amended by Stats.1984, c. 1033, § 3, related to license fees.

Section 4042.4, added by Stats.1984, c. 1033, § 4, related to denial, revocation or suspension of licenses.

Section 4043, added by Stats.1972, c. 778, § 1, provided that violation of provisions of the chapter constituted a misdemeanor. See, now, § 26801.

Sections 4043.5 and 4043.6, added by Stats. 1984, c. 1033, § 5 and § 4043.7, added by Stats. 1985, c. 944, § 4, related to testing of bottled water.

Sections 4044 and 4044.2 to 4044.4, added by Stats.1984, c. 1033, § 6 related to labeling of bottled water. Prior to repeal, § 4044 was amended by Stats.1985, c. 944, § 5.

See, now, § 26591 et seq.

Chapter 7.8

WATER SOFTENING OR CONDITIONING

Section

4045. Legislative findings and declarations.
4046. Definitions.
4047. Installation of appliances in residences.

Section

4048. Appliance in place prior to January 1, 1980 in areas of control of residential salinity input; continuance in operation; limitation; installation of water-saving devices; certification.
4049. Certification; provision by new user; form; contents.

Chapter 7.8 was added by Stats.1978, c. 923, § 1.

Library References

Health and Environment ⇐31.
Waters and Water Courses ⇐196.
WESTLAW Topic Nos. 199, 405.
C.J.S. Health and Environment §§ 37 to 47.
C.J.S. Waters §§ 232, 269.

§ 4045. Legislative findings and declarations

The Legislature hereby finds and declares that the utilization of the waters of the state by residential consumers for general domestic purposes, including drinking, cleaning, washing, and personal grooming and sanitation of the people is a right which should be interfered with only when necessary for specified health and safety purposes. The Legislature further finds that variation in water quality, and particularly in water hardness, throughout the state requires that on-site water softening or conditioning be available throughout the state to insure to domestic consumers their right to a water supply which is effective and functional for domestic requirements of the residential household, but that such on-site water softening or conditioning shall be available only as hereinafter set forth.

(Added by Stats.1978, c. 923, § 1.)

Library References

Waters and Water Courses ⇐196.
WESTLAW Topic No. 405.
C.J.S. Waters §§ 232, 269.

§ 4046. Definitions

(a) Unless the context otherwise requires the definitions in this section govern the construction of this chapter.

(b) "Clock control" means the system controlling the periodic automatic regeneration of a residential water softening or conditioning appliance which is based upon a predetermined and preset time schedule.

(c) "Demand control" means the system controlling the periodic automatic regeneration of a residential water softening or conditioning appliance which is based either upon a sensor which detects imminent exhaustion of the active softening or conditioning material or upon the measurement of the volume of water passing through the appliance. A demand control system activates regeneration based upon the state of the equipment and its ability to continue the softening process.

(d) "Fully manual regeneration" means the method of regeneration of a residential water softening or conditioning appliance in which operations are performed manually and in which dry salt is added directly to the ion-exchanger tank after sufficient water is removed to make room for the salt.

(e) "Hardness" means the total of all dissolved calcium, magnesium, iron and other heavy metal salts, which interact with soaps and detergents in such a manner that the efficiency of soaps and detergents for cleansing purposes is impaired. Hardness is expressed in grains per gallon or milligrams per liter as if all such salts were present as calcium carbonate.

(f) "Manually-initiated control" means the system controlling the periodic regeneration of a residential water softening or conditioning appliance in which all operations, including bypass of hard water and return to service, are performed automatically after manual initiation.

(g) "Regeneration" means the phase of operation of a water softening or conditioning appliance whereby the capability of the appliance to remove hardness from water is renewed by the application of a brine solution of sodium chloride salt to the active softening or conditioning material contained therein followed by a subsequent rinsing of the active softening or conditioning material.

(h) "Salt efficiency rating" means the efficiency of the use of sodium chloride salt in the regeneration of a water softening appliance, expressed in terms of hardness removal capacity of the appliance per pound of such salt used in the regeneration process. The units of salt efficiency rating are grains of hardness removed per pound of salt used. One grain of hardness per gallon is approximately equivalent to 17.1 milligrams of hardness per liter.

(Added by Stats.1978, c. 923, § 1.)

Library References

Words and Phrases (Perm.Ed.)

§ 4047. Installation of appliances in residences

No residential water softening or conditioning appliance shall be installed except in either of the following circumstances:

(a) The regeneration of the appliance is performed at a nonresidential facility separate from the location of the residence where such appliance is used.

(b) The regeneration of the appliance discharges to the waste disposal system of the residence where such appliance is used and both of the following conditions are satisfied:

(1) The appliance is certified to control the quantity of salt used per regeneration by a pre-set device and the settings of such device are limited so that a salt efficiency rating of no less than 2850 grains of hardness removed per pound of salt used in regeneration is achieved with a clock control, manually-initiated control, or demand control.

(2) The installation of the appliance is accompanied by the simultaneous installation of the following softened or conditioned water conservation devices on all fixtures using softened or conditioned water, unless such

devices are already in place or are prohibited by local and state plumbing and building standards or unless such devices will adversely restrict the normal operation of such fixtures:

(A) Faucet flow restrictors.

(B) Shower head restrictors.

(C) Toilet reservoir dams.

(D) A piping system installed so that untreated (unsoftened or unconditioned) supply water is carried to hose bibs and sill cocks which serve water to the outside of the house, except that bypass valves may be installed on homes with slab foundations constructed prior to the date of installation; or condominiums constructed prior to the date of installation; or otherwise where a piping system is physically inhibited.

(Added by Stats.1978, c. 923, § 1. Amended by Stats.1980, c. 769, p. 2285, § 1, eff. July 28, 1980.)

Historical and Statutory Notes

Section 2 of Stats.1980, c. 769, p. 2285, provides, in part:

"The law is ambiguous in that it is unclear when the carrying of untreated water to the hose bids and sill cocks which serve the outside of the house may be performed by means of a bypass valve as well as a fulltime bypass. Different local agencies are interpreting the law differently, causing uncertainty for the industry and the consuming public. In some instances, it is impossible or prohibitively expensive to install a full line bypass system. Therefore, to clarify the law and to allow consumers to purchase water softening and conditioning appliances which best suit their needs and at a reasonable cost, it is necessary that this act take effect immediately."

Library References

Waters and Water Courses ⚖196.
WESTLAW Topic No. 405.
C.J.S. Waters §§ 232, 269.

§ 4048. Appliance in place prior to January 1, 1980 in areas of control of residential salinity input; continuance in operation; limitation; installation of water-saving devices; certification

Any water softening appliance in place at a residential dwelling prior to January 1, 1980, in those areas being served by sewage treatment facilities which have been limited with regard to salt loading pursuant to Division 7 (commencing with Section 13000) of the Water Code and for which the appropriate regional water quality control board makes a finding, after adoption of waste discharge requirements and subject to a public hearing, that the control of residential salinity input is necessary to provide compliance with those limitations, may be continued in operation for a period no longer than four years after the regional water quality control board has made its findings. After such four-year period has elapsed, any water softening appliance at that site shall be set at a salt efficiency rating of no less than 2850 grains of hardness removed per pound of salt used in regeneration when regeneration is initiated with clock controls or manually-initiated controls, or shall have regenerations initiated with demand devices. Also, after such four-year period has elapsed, those water-saving devices in shower heads, on faucets, and in toilet reservoirs, as recited in paragraph (2) of subdivision (b) of Section 4047, shall be installed unless already in place or prohibited by local and state plumbing and building standards. The salt efficiency rating of the water softening or conditioning appliance and the installation of water-saving devices shall be certified in accordance with Section 4049.

(Added by Stats.1978, c. 923, § 1.)

Library References

Waters and Water Courses ⇨196.
WESTLAW Topic No. 405.
C.J.S. Waters §§ 232, 269.

§ 4049. Certification; provision by new user; form; contents

The certification required by this chapter shall be provided by the new user of the appliance and shall be completed by a contractor having a valid Class C–55 water conditioning contractor's license or Class C–36 plumbing contractor's license and filed with the local agency responsible for issuing plumbing permits.

The certification form shall contain all of the following information:

(a) Name and address of homeowner.

(b) Manufacturer of the water softening or conditioning appliance, model number of the appliance, pounds of salt used per regeneration, and salt efficiency rating at the time of certification.

(c) Manufacturer of the water-saving devices installed, model number, and number installed.

(d) Name, address, and the specialty contractor's license number of the C–55 and C–36 licensee making the certification.

(Added by Stats.1978, c. 923, § 1.)

Library References

Waters and Water Courses ⇨196.
WESTLAW Topic No. 405.
C.J.S. Waters §§ 232, 269.

Chapter 7.9

CONTROL OF CROSS–CONNECTIONS BY WATER USERS

Section

4049.50. Local programs for control of users; prevention of contamination of drinking water by backflow; devices; fees.
4049.51. Local programs in cooperation with suppliers; prevention against backflow through service connections; fees; state regulations.
4049.52. Certification programs for backflow prevention device testers; suspension or revocation; fees.
4049.53. Violations; misdemeanor.

Chapter 7.9 was added by Stats.1987, c. 1128, § 1.

§ 4049.50. Local programs for control of users; prevention of contamination of drinking water by backflow; devices; fees

Local health officers may maintain programs for the control of cross-connections by water users, within the users' premises, where public exposure to drinking water contaminated by backflow may occur. The programs may include inspections within water users premises for the purpose of identifying cross-connection hazards and determining appropriate backflow protection. Water users shall comply with all orders, instructions, regulations, and notices from the local health officer with respect to the installation, testing, and maintenance of backflow prevention devices. The local health officer may collect fees from those water users subject to inspection to offset the costs of implementing cross-connection control programs.

(Added by Stats.1987, c. 1128, § 1. Amended by Stats.1989, c. 956, § 1.)

Law Review Commentaries

Health and Environment ⇨31.
Waters and Water Courses ⇨196.
WESTLAW Topic Nos. 199, 405.
C.J.S. Health and Environment §§ 37 to 47.
C.J.S. Waters §§ 232, 269.

§ 4049.51. Local programs in cooperation with suppliers; prevention against backflow through service connections; fees; state regulations

(a) Local health officers may maintain programs, in cooperation with water suppliers, to protect against backflow through service connections into the public water supply, and, with the consent of the water supplier, may collect fees from the water supplier to offset the costs of implementing these programs.

(b) The fees authorized under this section and under Section 4049.50 shall be limited to the costs of administering these programs. At the discretion of the water supplier, the fees collected from the water supplier by the local health officer may be passed through to water users.

(c) Programs authorized under this section and Section 4049.50 shall be conducted in accordance with backflow protection regulations adopted by the State Department of Health Services.

(d) Nothing in this chapter shall prevent a water supplier from directly charging those water users required to install backflow prevention devices for the costs of the programs authorized in this section and Section 4049.50.

(Added by Stats.1987, c. 1128, § 1. Amended by Stats.1989, c. 956, § 2.)

§ 4049.52. Certification programs for backflow prevention device testers; suspension or revocation; fees

To assure that testing and maintenance of backflow prevention devices are performed by persons qualified to do testing and maintenance, local health officers may maintain programs for certification of backflow prevention

STATE OF CALIFORNIA PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD —
CENTRAL COAST REGION
81 HIGUERA STREET, SUITE 200
SAN LUIS OBISPO, CA 93401-5427
(805) 549-3147

September 6, 1994

Mr. Jay Baksa
South County Regional Wastewater Authority
7351 Rosanna St.
Gilroy, CA 95020

Dear Mr. Baksa:

REVIEW OF SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY (SCRWA) TOTAL DISSOLVED SOLIDS (TDS) STUDY

Montgomery Watson's July 11, 1994 report (the report), identifies the sources of TDS to municipal wastewater, evaluates its impact on groundwater quality, and evaluates the ability to comply with the revised municipal TDS discharge limit (water supply + 370 mg/L). The report concludes that it is unlikely for the treatment plant to consistently meet this limit. The Discharger has requested that the Regional Board consider reversing the consumptive use TDS limit back to 425 mg/L. A summary of the comprehensive study is provided in the table below.

Investigation	Findings & Conclusions	Recommendations
Review of Gilroy and Morgan Hill's (treatment plant service area) water supply TDS and municipal wastewater influent TDS data	Average consumptive TDS for the service area is approximately 390 mg/L. Without significant reduction of influent TDS loadings or costly treatment facilities to remove dissolved solids, compliance with the new limit will be difficult.	TDS limit back to 425 mg/L
Review of WWTP groundwater monitoring TDS data and site hydrogeology	Both municipal and food process discharges result in an increase of TDS concentrations in shallow aquifer immediately downgradient of WWTP. No increasing trends in TDS levels are seen below municipal ponds. Data unavailable for TDS concentrations in shallow aquifer outside of WWTP--land use practices may contribute to overall increase in groundwater TDS levels. Deep aquifer TDS concentration at WWTP has remained below 500 mg/L since 1987 and is consistent with TDS trends observed for the water supply wells for Gilroy and Morgan Hill.	

Investigation	**Findings & Conclusions**	**Recommendations**
Chemical Control Division's one-year random sewer sampling program at various locations in the SCRWA's service area to identify commercial/industrial contributions of TDS	Results indicate that a few facilities contribute to significant TDS loadings. An estimated <10% of the total facilities were sampled.	Further investigation is required to identify sources and aid in development of BMP's.
Survey of 31 municipal WWTP's	SCRWA's ave. consumptive TDS is within the range of typical values, Two out of the 31 treatment plants have absolute TDS limits imposed, Other land dischargers did not have effluent TDS limits, and SCRWA's WWTP has equal or lower consumptive use TDS concentrations than other WWTP's with effluent land discharges.	
Residential water softening contributions and ordinances	An estimated 15 to 40 % of service area households use self-regenerative water softeners, based on informal survey of local water softening companies. Outcome of court cases with respect to residential water softeners may impact effectiveness of ordinances banning water softeners.	Further investigation

The report recommends that initial efforts be directed towards reducing TDS contributions from industrial/commercial and food process discharges before targeting domestic sources. This includes continuing the random sampling program to identify high TDS sources and to aid in development of best management practices (BMP's) for the dischargers, improving housekeeping at Gilroy Canning, and continuing to develop and implement strict pretreatment for commercial/industrial dischargers. Recommendations also include the continued monitoring of service area water supply TDS, wastewater influent TDS, and groundwater TDS at the treatment plant.

We agree with the report's findings and recommendations. Reversing the limit back to 425 mg/L requires Board action and a decision based on this report would be premature. Before a decision can be made, you must do the following: complete your investigation of commercial, industrial, and domestic TDS sources; develop and implement BMP's for significant sources; and analyze monitoring data to determine if TDS reduction programs will result in compliance with the 370 mg/L consumptive use limit or not.

Your April 15, 1993 workplan indicated that the TDS source monitoring would be completed by the end of June 1994. However, less than an estimated 10% of the total number of facilities were sampled, manholes sampled in program were not identified as being representative of a type of area (residential or commercial), and an actual survey of residential water softener use has not been conducted.

You are required to follow the report's recommendations and submit a formal investigation proposal with a time schedule. The proposal shall contain a complete description of the investigatory process. For example, describe where sampling will take place (representative trunklines, specific industries, etc.) and the frequency of sampling. In addition, provide the specifics of improving housekeeping at Gilroy Canning and time schedule for implementation. The proposal is due **November 7, 1994.** When significant sources are identified, you are required to submit a report describing the specific BMP's and a time schedule for their implementation.

Please note that the current TDS consumptive use limit is 370 mg/L, imposed June 2, 1994. Also, we feel that most of the information should have been collected as a part of the pretreatment program.

Please direct questions regarding this matter to **A. John Mijares (805) 549-3696** at this office from 8-10 a.m. and from 11 to 5 p.m. Tuesday through Friday.

Sincerely,

Bradley E. Hagemann

for ROGER W. BRIGGS
Executive Officer

JN/A:scrwatds.ltr

cs: Ramesh Babu
Montgomery Watson
355 Lennon Lane
Walnut Creek, CA 94598

Al Slechta
OMI
900 Southside Drive
Gilroy, CA 95020

Appendix C

MONTGOMERY WATSON

APPENDIX C

TDS Investigation proposal, November 1, 1994
Regional Board letter dated, November 16, 1994
Digital Conductivity and TDS Meter Specifications

MONTGOMERY WATSON

November 1, 1994

Mr. John Mijares
California Regional Water Quality Control Board-
Central Coast Region
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5427

File No.: 1443.0030/3.1

Subject: Proposal for TDS Investigation - South County Regional Wastewater Authority

Dear Mr. Mijares:

On behalf of the South County Regional Wastewater Authority (Authority), Montgomery Watson has prepared this proposal for Total Dissolved Solids (TDS) investigation in the Gilroy-Morgan Hill area. This proposal is submitted in response to the Regional Board letter, dated, September 6, 1994 to identify significant TDS dischargers.

INVESTIGATION PROPOSAL

Task 1. TDS Monitoring

This task includes a comprehensive TDS sampling program of commercial/industrial and residential dischargers in the Cities of Gilroy and Morgan Hill. The task also includes representative sampling of trucked-in waste (septage) to the Authority's treatment plant. In addition, the operations at Gilroy Canning will be reviewed to identify improvements to in-plant housekeeping practices. It should be noted that Gilroy Canning operates seasonally from June through October. Therefore, field sampling of various flow streams will not be done as part of this task. The evaluation would include a discussion of current processes and identify potential wastestreams for sampling during the 1995 food processing season. A detailed description of the sampling locations, number of samples, sampling frequency is presented in Attachment A.

Task 2. Data Analysis

The data collected as part of Task 1 will be analyzed to identify significant TDS dischargers and prioritize the various discharger categories, such as restaurants, car washes, etc. A comparison of TDS loadings from each discharger category to the overall treatment plant TDS loading would also be included.

Task 3. BMP Development

Based upon the findings in Task 2, Best Management Practices (BMPs) will be developed for the significant categories of TDS dischargers. The BMPs for the various categories would be included in the report along with a BMP implementation schedule.

INVESTIGATION SCHEDULE

The results of this investigation will be submitted to the Regional Board by April 14, 1995. As presented in Attachment A, this investigation proposes to monitor 71 commercial sites, 10 industrial sites, trunk sampling of 8 residential areas and 4 septic tankers per month. The proposed monitoring frequency includes a minimum of four samples at each location over a four month period (November, December, January and February) and consists of a total of 372 sampling events.

If you have any questions, or need additional information, please telephone me at 510 274 2277.

Very truly yours,

Ramesh Babu
Project Engineer

cc: Jay Baksa, City of Gilroy
Rick Smelser, City of Gilroy
Nick Amper, City of Gilroy
Al Slechta, OMI-Gilroy
David Lindow, Montgomery Watson

ATTACHMENT A

TOTAL DISSOLVED SOLIDS MONITORING PROGRAM

South County Regional Wastewater Authority

Description of Monitoring Program

The City of Gilroy's Chemical Control Division (CCD) will monitor Total Dissolved Solids (TDS) discharges from commercial/industrial businesses, septic haulers and selected residential areas in the Cities of Gilroy and Morgan Hill. The TDS monitoring will occur at end-of-pipe discharge points and collection system trunk lines for specific residential areas. Grab samples will be collected from the septic tankers prior to discharge at the South County Regional Wastewater Authority (Authority) treatment plant. Residential monitoring will be conducted to identify variances in TDS contributions from areas with socio-economic differences. In addition, commercial/industrial dischargers will be surveyed to identify water softener users, type of equipment used, method and frequency of regeneration and volume of waste discharged to the sanitary sewer system.

A description of the various sampling categories and number of locations for each category is presented below. The attached figures present the various sampling locations in the Cities of Gilroy and Morgan Hill.

I. Commercial Business Groups

Commercial dischargers consist of ten (10) types or groups of businesses. The total number of businesses in the commercial sampling group is 71.

		Gilroy	Morgan Hill
1.	Fast Food Restaurants	6	6
2.	Car Washes	4	3
3.	Schools	4	3
4.	Laundromats	3	3
5.	Light Industrial Parks	5	5
6.	Medical/Dental Facilities	2	3
7.	Bakeries	3	3
8.	Supermarkets	3	3
9.	Auto Dealerships/Body Shops	4	2
10.	Shopping Centers	3	3
		37	34

II. Industrial/SIU's

		Gilroy	Morgan Hill
1.	Wiltron Inc. (Electronic Mfg.)		x
2.	B.A.S. Inc. (Metal Finisher)		x
3.	St. Louise Hospital		x
4.	Dusan Inc. (Electronic Mfg.)	x	
5.	Gaylord Inc. (Container Mfg.)	x	
6.	South Valley Hospital	x	
7.	Germain Seeds (Ag Seed Mfg.)	x	
8.	Lohmar Inc. (Com/Ind Laundry)	x	
9.	Cintas Inc. (Com/Ind Laundry)	x	
10.	Servis-soft (Water softener)	x	
		7	3

III. Residential Areas

1.	Peak Ave. & Claremont Dr.		x
2.	Foothill Ct. & Del Monte Ave.		x
3.	Edmundson Ave. & Church St.		x
4.	Sorrel Way & Dunne Ave.		x
5.	7th St. & Maple St.	x	
6.	Victoria Dr. & Sussex	x	
7.	La Allandra & Welburn Ave.	x	
8.	Delta Dr. & Welburn Ave.	x	
		4	4

IV. Septic Haulers

Monitoring of septic haulers will be conducted at the Authority's treatment plant. It is proposed that at least four trucks be sampled each month over a four-month period.

CITY OF MORGAN HILL
TDS SURVEY
LEGEND

▲

Commercial Group

1. *Fast Food/Restaurants*
2. *Car Washes*
3. *Schools*
4. *Laundromats*
5. *Industrial (Lite) Parks*
6. *Medical/Dental Complexes*
7. *Bakeries*
8. *Supermarkets*
9. *Auto Dealership/Body Shops*
10. *Shopping Centers*

■

Industrial Group

1. *Wiltron*
2. *BAS*
3. *St. Louise Hospital*

●

Residential District

1. *Peak Ave. & Claremont*
2. *Foothill Ct. & Del Monte*
3. *Edmunson Ave. & Church*
4. *Sorrel Wy. & Dunne Ave.*

CITY OF GILROY
TDS SURVEY
LEGEND

▲

Commercial Group

1. *Fast Food/Restaurants*
2. *Car Washes*
3. *Schools*
4. *Laundromats*
5. *Industrial (Lite) Parks*
6. *Medical Dental Complexes*
7. *Bakeries*
8. *Supermarkets*
9. *Auto Dealerships/Body Shops*
10. *Shopping Centers*

■

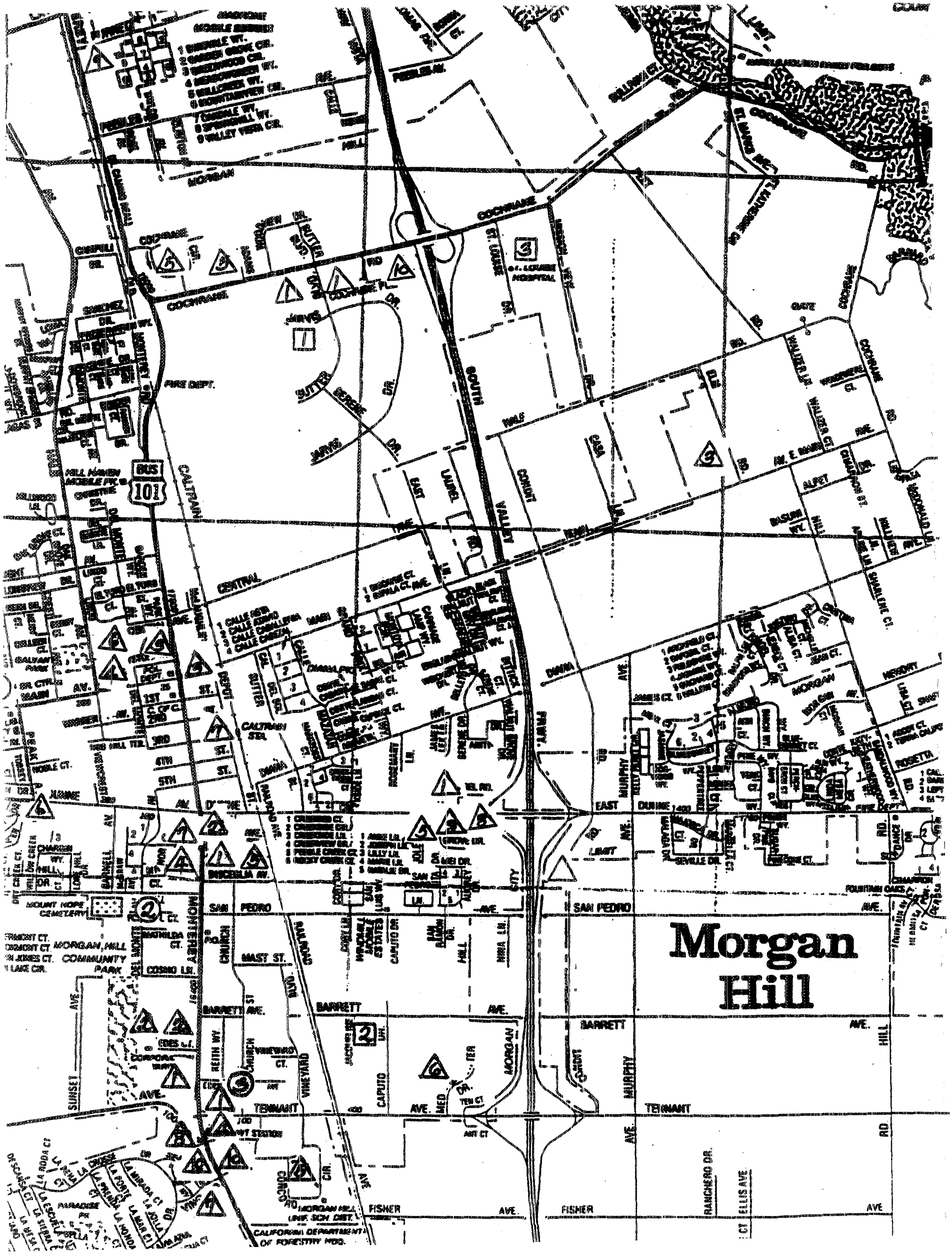
Industrial Group

1. *Dusan, Inc.*
2. *Gaylord, Inc.*
3. *South Valley Hospital*
4. *Germain Seeds*

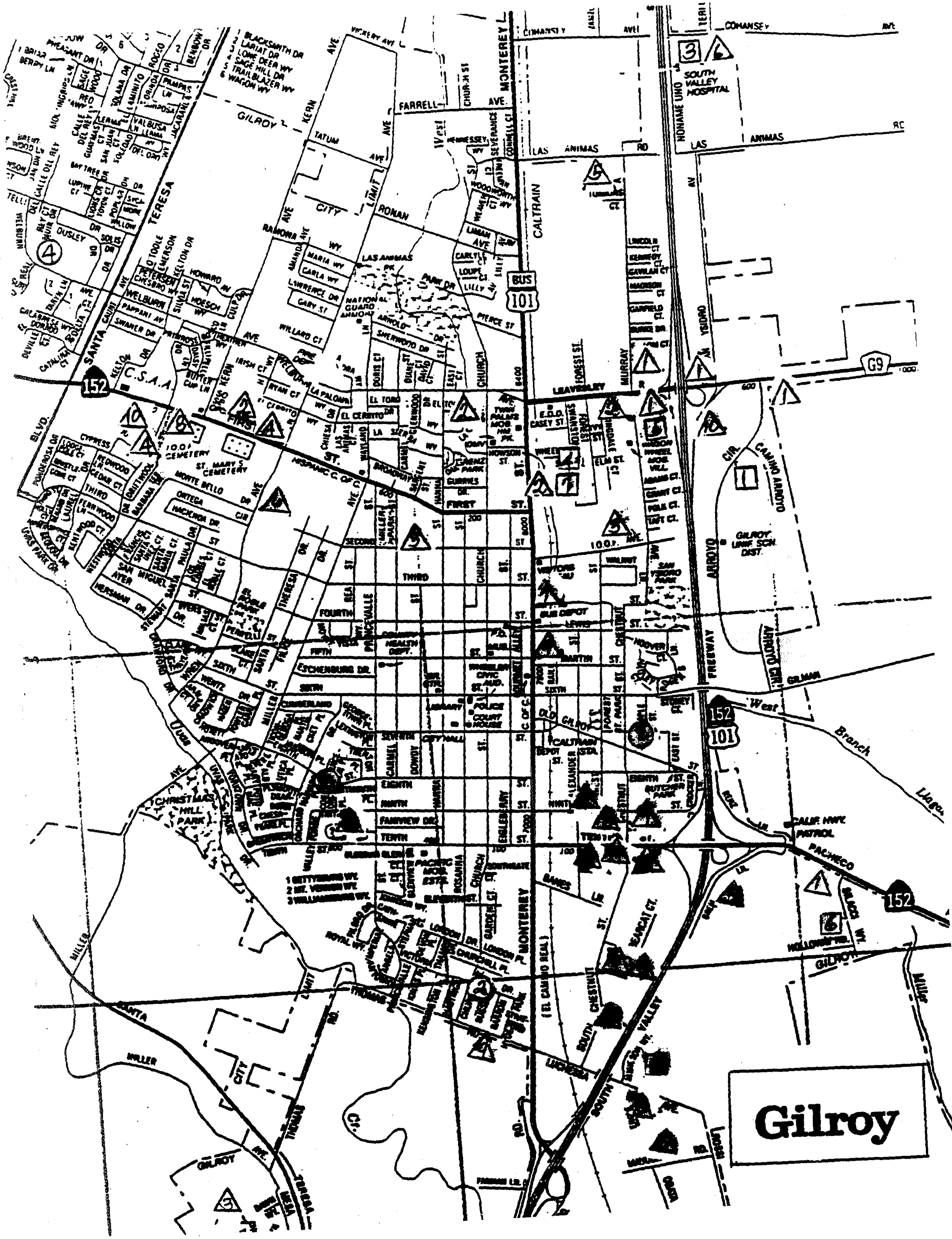
●

Residential District

1. *7th St. & Maple St.*
2. *Victoria Dr. & Sussex*
3. *La Alondra & Wellburn*
4. *Delta Dr & Wellburn Ave*



Morgan Hill
MORGAN
COCHRANE
COCHRANE PL.
PEEBLES AV.
CHERRY ORCHARD
1 SIERRALE WY.
2 GARDEN GROVE CIR.
3 GREENWOOD CIR.
4 MEADOWGREEN WY.
5 HILLCREST WY.
6 COUNTRYVIEW CIR.
7 OAKDALE WY.
8 SPRINGHILL WY.
9 VALLEY VISTA CIR.
MONTEREY
FIRE DEPT.
BUS 101
CALTRAIN
HILL HAVEN MOBILE PK.
CENTRAL AVE.
WRIGHT
LONGVIEW
GALVAN PARK
SR. CTR.
MAIN AV.
WARREN AV.
1ST
2ND
3RD ST.
4TH ST.
5TH
C OF C.
POL. DEPT.
DEPOT
CALTRAIN STN.
BUTTER
JARVIS DR.
SERENE DR.
EAST
LAUREL
SOUTH
VALLEY
CONDIT
TENNANT
DIANA
DUNNE AV.
EAST DUNNE
1 CALLE SISTO
2 CALLE CORTO
3 CALLE CABALLERIA
4 CALLE CANDELA
1 SHOWME CT.
2 SEVILLA CT.
ROSEMARY LN.
1 CHERBOURG CT.
2 CHEROKEE CIR.
3 CHEROKEE LN.
4 CHERRYVIEW CIR.
5 PEBBLE CREEK CT.
6 ROCKY CREEK CT.
1 AMBER LN.
2 JOSEPH LN.
3 LILLY LN.
4 MARIE LN.
5 MARBLE DR.
GROVE DR.
DISCIBLIA AV.
SAN PEDRO AVE.
SAN PEDRO
CHURCH
MAST ST.
BARRETT AVE.
BARRETT
VINEYARD
CAPUTO
MORGAN
MURPHY
MURPHY AVE.
HILL
SUNSET
TEHNANT AVE.
FISHER AVE.
FISHER
RANCHERO DR.
ELLIS AVE.
MORGAN HILL UNIF. SCH. DIST.
CALIFORNIA DEPARTMENT OF FORESTRY HDQ.
MOUNT HOPE CEMETERY
MORGAN HILL COMMUNITY PARK
COSMO LN.
KEITH WY.
EDES
CORPORATE WAY
DEL MONTE
BARNELL AV.
DEWITT
CHARDON WY.
HILL DR.
PARADISE PK.
LA CROSSE
LA PLAZA
LA MIRADA CT
ST. LOUISE HOSPITAL
WALNUT
GATE
WOLF
ALPET
DASON WY.
HILL
MCDONALD LN.
NEWPORT
SHADY
ROSETTA
LIMIT
CITY
SEVILLE DR.
FOUNTAIN OAKS CT.
JAMES CT.
PIPPERMINT
WALTER LN.
AV. E. MAIN


Gilroy
1 BLACKSMITH DR
2 LARIAT DR
3 LONE DEER WY
4 SAGE HILL DR
5 TRAILBLAZER WY
6 WAGON WY
COMANSEY AVE
FARRELL AVE
LAS ANIMAS RD
MONTEREY
CALTRAIN
SOUTH VALLEY HOSPITAL
NONAME UNO
GILROY
KERN AVE
TATUM AVE
CITY LIMIT
RONAN AVE
RAMONA WY
LAS ANIMAS PK
NATIONAL GUARD ARMORY
PARK DR
PIERCE ST
BUS 101
SANTA TERESA BLVD
WELBURN AVE
152
C.S.A.A.
LEAVESLEY RD
G9
MURRAY
FOREST ST
FIRST ST
I.O.O.F. CEMETERY
ST. MARY'S CEMETERY
HISPANIC C. OF C.
CHURCH ST
HOWSON ST
WHEELER
ELM ST
CAMINO ARROYO
ARROYO CIR
GILROY UNIF. SCH. DIST.
I.O.O.F. AVE
SECOND
THIRD ST
FOURTH ST
BUS DEPOT
LEWIS
MARTIN ST
FIFTH
ESCHENBURG DR
SIXTH
HEALTH DEPT.
WHEELER CIVIC AUD.
LIBRARY
POLICE
COURT HOUSE
CITY HALL
SEVENTH
OLD GILROY
CALTRAIN STA.
EIGHTH
NINTH
TENTH
FAIRVIEW DR
BUTCHER PARK
FREEWAY
152
101
West Branch Llagas
GILMAN
CALIF. HWY. PATROL
PACHECO
CHRISTMAS HILL PARK
1 GETTYSBURG WY.
2 MT. VERNON WY.
3 WILLIAMSBURG WY.
PACIFIC MOB. ESTS.
ELEVENTH ST.
LONDON DR.
CHURCHILL PL
THOMAS RD
MONTEREY (EL CAMINO REAL)
BANES LN
SOUTH CHESTNUT
SOUTH VALLEY
LUCHESSA
SANTA TERESA
MILLER
MILLER AVE
GILROY
MESA
CITY LIMIT
HOLLOWAY RD.
GILROY

1443.0030/3.

STATE OF CALIFORNIA

PETE WILSON, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD —
CENTRAL COAST REGION
81 HIGUERA STREET, SUITE 200
SAN LUIS OBISPO, CA 93401-5414
(805) 549-3147

November 16, 1994

Mr. Jay Baksa
South County Regional Wastewater Authority
7351 Rosanna St.
Gilroy, CA 95020

Dear Mr. Baksa:

PROPOSED TOTAL DISSOLVED SOLIDS (TDS) INVESTIGATION, SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY (AUTHORITY), ORDER NO. 92-20

We reviewed the November 1, 1994, Authority's proposal for TDS investigation submitted by your consultant, Montgomery Watson. The investigation will include a comprehensive TDS sampling program of commercial/industrial and residential dischargers in the Cities of Gilroy and Morgan Hill over a four-month period (Nov-Feb). The Data collected will be analyzed to identify significant sources of TDS and their contribution to overall treatment plant TDS loading. Based on this information, Best Management Practices will be developed for significant TDS dischargers. Results of this investigation will be submitted to us by **April 14, 1995**.

We have no objection to your proposed TDS investigation and report submittal date. Please proceed with the investigation immediately.

Please direct questions to **A. John Mijares (805)549-3696** or Brad Hagemann (805)549-3697 at this office between 8-10 a.m. and 1-5 p.m. Tuesday through Friday.

Sincerely,

ROGER W. BRIGGS
Executive Officer

AJM:BAKSA3.LTR

Enclosures

cs:

Nick Amper
Chemical Control Division
City of Gilroy
7351 Rosanna St.
Gilroy, CA 95020

Al Slechta
OMI
900 Southside Drive
Gilroy, CA 95020

Ramesh Babu, Project Engineer
Montgomery Watson
355 Lennon Lane
Walnut Creek, CA 94598

DIGITAL CONDUCTIVITY AND TDS METER

840-2668-4-210000

Provides Performance and Portability

The instrument features accurate measurements up to 20,000 μS/cm, a digital display for reading conductivity, TDS, or temperature values, and a Hach* patented probe.

Model 44600

Laboratory instrument performance with the convenience of complete portability and digital readout is provided by the new Model 44600 Conductivity and Total Dissolved Solids (TDS) Meter.

Unique Probe Design Eliminates Field Effects

Standard conductivity probes are subject to variable or inaccurate measurements because current flow can be obstructed due to proximity of the probe to vessel or container walls, or to the presence of debris.

With the Hach probe, accurate and reproducible measurements are independent of how deep or how close to a container wall the probe is placed. In addition, the tungsten electrodes are stable in virtually any chemical liquid.

In addition to the tungsten electrodes, the probe is constructed of durable, corrosion resistant Noryl thermoplastic and contains built-in thermistors for automatic temperature compensation and measurement.

The standard probe supplied with the meter has a one-meter cable. An optional probe with a 10-foot cable is also available.

Specifications

Range
Conductivity: 0-199 μS/cm, 0-1.99 mS/cm, 0-19.9 mS/cm
TDS: 0-199 mg/L, 0-1.99 g/L, 0-19.9 g/L
Temperature Mode: 0-100°C

Accuracy (Standard Probe)
Conductivity: ±1% of reading ±2 lsd
TDS: ±1% of reading plus ±2 lsd on two lowest ranges, ±2% of reading plus ±2 lsd on 0-19.9 g/L range
Temperature: ±0.5°C from 0° to 100°C

Accuracy (Probe with 10-foot cable)
Conductivity: ±2% of reading +1.7 to −2.3% of reading
TDS: ±2% of reading +1.4 to −2.6% of reading
Temperature: ± 0.5°C from 0° to 100°C

Resolution, Maximum
Conductivity: 0.1 μS/cm
TDS: 0.1 mg/L
Temperature: 0.1°C

Zero Error (Standard Probe)
Conductivity and TDS:
±2 counts at 25°C
±4 counts at 0°C

Zero Error (Probe with 10-foot cable)
Conductivity and TDS:
±4 counts at 25°C
±8 counts at 0°C

Temperature Compensation: Automatic from 0 to 100°C for both conductivity and TDS measurements; Coefficient of 2%/°C from 25°C

Probe:
Cell constant: 2/cm
Construction: Corrosion-resistant Noryl, Tungsten, 316 stainless steel
Cable length: One-meter
Temperature: Thermistor

Display: 3-1/2 digit LCD with 0.45" numeric digits and annunciators for units of measure and low battery warning

Operating Temperature (ambient): 0° to 50°C.

Storage Temperature: -40°C to 60°C

Sample Temperature Range: 0-100°C in all ranges.

Operating Humidity Range: 0 to 90% noncondensing

Power Supply: 4 AA batteries, good for approximately 100 hours.

Case: 25.4 x 19.0 x 10.2 cm (10.0 x 7.5 x 4") polyethylene plastic

Weight:
Net: 1.02 kg (2 lbs, 4 oz)
Shipping weight: 1.47 kg (3 lbs, 4 oz)

How To Order

Conductivity and TDS Meter with Standard Probe 44600-00	$395.00
Optional Probe with 10-foot Cable 44682-00	195.00

Circle 1220 for more information.

New Low Range Conductivity Standards

These prepared solutions permit quick, convenient standardization of conductivity instruments.

23075-14 180 μS/cm, 118 mL (85.47 mg/L as NaCl) 90 mg/L TDS	$7.00
14400-14 1000 μS/cm, 118 mL (491 mg/L as NaCl) 500 mg/L TDS	7.00
2105-14 1990 μS/cm, 118 mL (1000 mg/L as NaCl) 995 mg/L TDS	7.00
23074-14 18,000 μS/cm, 118 mL (10,246 mg/L as NaCl) 9000 mg/L TDS	7.00

---

*Pat. No. 3,774,104

Appendix D

APPENDIX D

TDS Investigation Sampling Data Sheets
City of Gilroy Water Supply Billing Records
City of Morgan Hill Water Supply Billing Records

Robert R. Ledesma
Program Administrator

Arthur L. Gillespie
Fire Chief

GILROY FIRE DEPARTMENT

Building, Life, and Environmental Safety Division
Chemical Control
7351 Rosanna Street
Gilroy, CA 95020

Telephone: (408) 848-0430 FAX: (408) 842-2409

March 28, 1995

Ramesh Babu, Project Engineer
Montgomery-Watson
355 Lennon Lane
Walnut Creek, CA 94598

Dear Ramesh:

Enclosed are copies of four months TDS survey results through March, 1995. The sampling project was delayed due to abnormally heavy rains.

Water use information from Morgan Hill is not available even after written and verbal requests for the data. The Finance Department was informed of the urgent need of the water use information. I have instructed Chemical Control Staff to cease making inquiries to Morgan Hill for delivery of the data.

I suggest you make contact with the Director of Finance or David Biggs, City Manager.

If you should have any questions please call me.

Sincerely,

Nick Amper
Chemical Control Supervisor

Program Administered by the Gilroy Fire Department
Serving the Cities of Gilroy and Morgan Hill
for South County Regional Wastewater Authority

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Adams Ct/Lite Industrial Date: 12/5/94

Address: Adams Ct + Sutter

Telephone #: N/A Fax #:

Business Type: ~~Comme~~ light industrial Group: Commercial

H_2O softener yes ___ no x Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole x

Date	Time	TDS	Remarks
12-5/94	1:30	540	△5
1/19/95	1335	460	
2/8/95	10:35	360	
3-21-95	11:00	440	

Comments: entrance to Adams Ct

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: B.A.S. Sheetmetal Inc. Date: 12-7-94

Address: 16170 Jacqueline Ct.
Morgan Hill, CA 95037

Telephone #: (408) 779-5058 Fax #: ___

Business Type: Metal Finishing - Categorical Group: Industrial

$H_2$0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage 2000 gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-7-94	9 am	460	manhole at end of pipe
1-19-95	11:15	750	
2-14-95	11:45	510	
3-23-95	10:35	940	

Comments: Bus. = metal finishing /Categorical
Process = phosphating, chromating + Wastwater pretreatment

Test Manhole located in front side in grass area next to curb.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: BRITTON SCHOOL Date: 12-15-94

Address: KEYSTONE & DEL MONTE

Telephone #: Fax #:

Business Type: SCHOOL Group: COMMERCIAL

H_2O softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	1025	540	△3
1-19-95	10:15	500	
2-8-95	1120	400	
3-2	1110	430	

Comments: Sample from a manhole on Keystone & Del Monte

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Burger King Date: 12-27-94

Address: 16025 Monterey

Telephone #: 778-1439 Fax #:

Business Type: Group:

H₂0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12.27.94	1505	340	
1-18 95	1410	380	
2.8.95	1510	440	
3-21-95	1500	420	

Comments:

Manager - Nancy Dunn

Grease hauler - Thrifty Best

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Residential at Burnett Ave., Morgan Hill Date: 12-30-94

Address: 200 - Burnett Ave.
Morgan Hill, Ca 95037

Telephone #: —— Fax #:

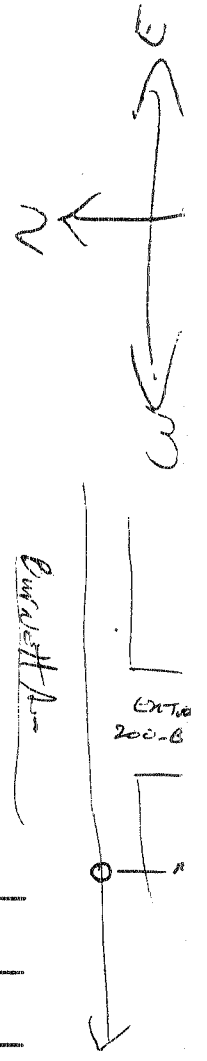
Business Type: Residential Group: Residential

H₂0 softener yes ✓ no ___ Serviced yes ✓ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ✓

Date	Time	TDS	Remarks
12-30-94	1:00 pm	540	
1-19-95	11:30	510	
2-9-95	11:00	500	
3-20-95	1031	340	



Comments: manholes located in Burnett St., 1st manhole West of Madrone Mobil Estates / 200 - Burnett Ave, Morgan Hill
2 mobil parks have swimming pool eqp.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Chevrolet (Cochrane Plaz Date:

Address: 19490 Monterey

Telephone #: 779-5547 Fax #:

Business Type: auto dealership Group: ~~auto~~ Commercial

H$_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12/5/94	1035	390	△4
1/19/95	1130	370	
2/9/95	1055	340	
3/20/95	1030	350	

Comments: Sample box inside the bldg of the car wash

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Church + Bisceglia Date: 12-8-94

Address: Corner Church + Bisceglia

Telephone #: Fax #:

Business Type: ~~Residential~~ light Indust Group: ~~Residential~~ Industrial

$H_2$0 softener yes N/A no Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-8-94	1:05pm	360	③
1-18-95	11:15	330	
2.15 95	1435	300	
3-20-95	1408	920	Rain

Comments:

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Central High School Date: 1-3-95

Address: 17960 - Monterey St.
Morgan Hill, Ca.

Telephone #: 779-5244 Fax #: ________

Business Type: School Group: Commercial

H₂0 softener yes ___ no ✓ Serviced yes ___ no ✓

Regen on site yes ___ no ✓ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ✓

Date	Time	TDS	Remarks
1-3-95	11 am	910	
1-19-95	11	620	
2-8-95	1130	540	
3-20-95	11:30	650	

Comments: Sewer manhole: location - front of school, next to power pole on side walk - front of electric meter. Line slope flat line; water resides until sufficient amount is collected - then flows southward ———— Top of the sewer line.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Claremont y Pearl Date: 12/5/94

Address: 440 Claremont

Telephone #: Fax #:

Business Type: Group: Residential

H20 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/5/94	10:28	510	①
1/19/95	10:00	630	
2/8/95	1315	420	
3-21-95	1:10	430	

Comments: Manhole on 440 Claremont

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Cochrane Circle Date: 12/5/94

Address: Cochrane Shopping Center

Telephone #: N/A Fax #:

Business Type: Shopping center Group: Commercial

H₂0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/5/94	10:30	480	△
1/19/95	1415	730	
2/9/95	940	460	
3-21-95	9:50	530	

Comments: Manhole on ~~Harvis~~ Butter west of Target entrance of the shopping center

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Concord Circle Date: 12/15/94

Address: 15850 Concord Cir

Telephone #: Fax #:

Business Type: lite industrial Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	12:50	630	△5
1-18-95	1300	840	
2-9-95	11:05	430	
3-23-95	10:20	510	

Comments: Manhole in front of ~~Ca~~ 15850 Concord Cir

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Corp Yard Date: 12.8.94

Address: 105 Edes

Telephone #: 779-8322 Fax #:

Business Type: 779 car wash Group: Commercial

H_2O softener yes X no ___ Serviced yes X no ___

Regen on site yes ___ no X Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12.8.94	1:30	340	△2
1-18-95	1500	200	
2.8.95	1500	210	
2-21-95	14:45	230	

Comments: Clarifier (before the wash area)

(TDSSurvey 11-94)

Vineyard Center
Tenant - for Tenant Car
Vineyard & Concord

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Del Monte + Foothill Date: 12-8 94

Address: 160 Foothill

Telephone #: N/A Fax #:

Business Type: residential Group: residential

H20 softener yes ___ no ___ unknown Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-8 94	12:50	350	②
1-19-95	3:30	260	
2-9-95	1420	320	
3-21-95	14:30	260	

Comments: Manhole in front of 160 Foothill

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Dan Gamel Date: 12-15-94

Address: 16725 Condit Rd

Telephone #: 779-8220 Fax #:

Business Type: Auto Dealership Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	2:25	640	△9
1/19/95	12:03	410	
2/14/95	1045	400/800	
3-21-95	8:30	420	

Comments: test manhole of clarifier in the service area

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Evergreen Park Date: 12-8-94

Address: 370 W. Dunne

Telephone #: 779-7391 Fax #:

Business Type: Medical/Dental Group: Commercial

H₂0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-8-94	10:20	1060	△6
1-18-95	10:30	360	
2-8-95	13:50	430	
3-21-95	2:15	560	

Comments: In front of Evergreen Park (Medical/Dental)
370 W Dunne
owners name: Bruce

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Good Samaritan Foundation Date: 12-8-94

Address: 16130 Medical Center Dr

Telephone #: 779-9992 Fax #:

Business Type: Medical/Dental Group: Commercial Gp.

$H_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-8-94	2:25	450	△6
1-19-95	10:50	380	
2-14-95	1420	360	
3-20-95	15:40	330	Rainy

Comments: Sewer manhole in the parking lot

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Hale Medical Date: 12/5/94

Address: 17705 Hale

Telephone #: Fax #:

Business Type: medical/dental Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/5/94	2:15 pm	450	△6
1-19-95	10:30	540	
2-8-95	13 20	400	
3-21-95	11:30	450	

Comments: Manhole in front of the playground and the 35 mph sign (1st going south) on Hale

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Industrial Lite / Cochrane Date: 12/5/94

Address: Cochrane Cir (Sutter)

Telephone #: - Fax #:

Business Type: Lite Ind Group: Commercial

H$_2$0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12/5/94	1140	610	△5
1-19-95	11:45	800	
2-8-95	10.40	490	
3.20 95	10:44	700	

Comments: Cochrane Cir. Manhole in front of #485 - Patton + Patt Business

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Joleen Wy Date: 12-15-94

Address: 16870 Joleen Way

Telephone #: Fax #:

Business Type: Industrial/Lite Group: Commercial

H$_2$0 softener yes __ no X Serviced yes __ no __

Regen on site yes __ no __ Water usage ____ gpd (avg)

Sample location: test manhole __ sample box __ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	1:53	310	△5
1-18-95	10:00	280	
2-14-95	1120	290/580	
3-21-95	10:30	290	

Comments: Manhole in front of 16870 Joleen Wy + par lot. (Les Bender Volkswagen)

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Kentucky Fried Chicken Date: 12-27-94

Address: 17050 Laurel Road

Telephone #: 779-7545 Fax #:

Business Type: Restaurant Group: Commercial

H$_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ✓ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-27-94	9:50	710	
1-18-95	10:15	510	
2-14-95	1100	600/1200	
3-21-95	10:05	610	

Comments: Jordan [illegible] Manager

1500 gal. Clarifier test manhole at the back of the restaurant

Required manager to clean grease interceptor

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: La Morena Date: 12-27-94

Address: 90 E 2nd St

Telephone #: 778-0344 Fax #:

Business Type: Bakery Group: Commercial

H$_2$0 softener yes X no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-27-94	1000	740	
1-19-95	1040	440	
2-14-95	1130	340	
3-21-95	12:45	430	

Comments: Rafael Cruz - owner/manager
Sampling inside the bakery; big
dipper. Required manager to clean grease Trap

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Launderland Coin-Op Date: 12.15.94

Address: 220 Tennant

Telephone #: 779-1487 Fax #:

Business Type: laundromat Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12/15/94	1250	350	△4
1/18/95	1320	420	
2/14/95	1355	290 / [illegible]	
3/20/95	'	340	

Comments: back of washing machine

Contact person Mary Henley

550 Silver Cloud Ct

Milpitas CA 95037

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Live Oak High School Date: 12/15/94

Address: 1505 E. Main Ave

Telephone #: 779-5210 Fax #:

Business Type: School Group: Commercial

H₂0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	1:25	540	△3
1-19-95	1325	660	
2-14-95	10:35	720/[illegible]	
3-21-95	9:25	630	

Comments: Sewer manhole in front of the entrance to the parking lot.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Luckys Date: 12-8-94

Address: 16955 Monterey

Telephone #: 779-1420 Fax #:

Business Type: Supermarket Group: Commercial

H_2O softener yes X no ___ Serviced yes X no ___

Regen on site yes ___ no X Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-8-94	1945	340	△8
1-18-95	1145	410	
2-8-95	1400	610	
3-20-95	1450	520	

Comments: grease interceptor inside the meat dept
~~Manho~~

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

779-8182

Name: McDonald's Date: 1-3-95

Address: 201 - Vineyard Blvd. - Vineyard Town Center
Morgan Hill

Telephone #: 779-8182 Fax #:

Business Type: FAST FOOD Group: Commercial

H$_2$0 softener yes ___ no Y Serviced yes ___ no Y

Regen on site yes ___ no Y Water usage ______ gpd (avg)

2nd Compartment of clarifier.

Sample location: test manhole ___ ~~sample box~~ X sewer manhole ___

Date	Time	TDS	Remarks
1-3-95	10 am	1610	Clarifier cleaned on 12-29-94
1-18 95	1300	430	Clarifier thick w/ Grease
2-14-95	1330	540	
		750	

Comments:

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Mc Donalds Date: 12/5/94

Address: 135 Cochrane Rd

Telephone #: 779-0052 Fax #: ___

Business Type: Fast Food Group: Commercial

H_2O softener yes ___ no ✓ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ✓ sewer manhole ___

Date	Time	TDS	Remarks
12/5/94	10:15	*1050	△1 water very cloudy
1/19/95	1425	700	
2/9/95	9:34	840	
3-21-95	9:45	680	

Comments: 1050 less

535

* 515 → Correction for TDS meter

→ Corrected reading

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Marie Callender Date: 12/5/94

Address: 18599 Butter Blvd

Telephone #: 778 - 7373 Fax #:

Business Type: Restaurant Group: Commercial

H$_2$0 softener yes X no ___ Serviced yes ___ no X

Regen on site yes X no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12/5/94	1045	610	△ white greasy (w/ solids) H2O
1/19/95	1250	590	
2/9/95	11:15	650	
3/20	1057	640	

Comments: [illegible] information [illegible] 3 weeks from 12/5/94
sample location behind the Restaurant
on the side

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Morgan Hill Car Wash Date: 12 8 94

Address: 16225 Monterey Rd

Telephone #: (408) 779-5477 Fax #:

Business Type: Car wash Group: Commercial

H$_2$0 softener yes X no ___ Serviced yes ___ no ___

Regen on site yes X no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box / sewer manhole ___

Date	Time	TDS	Remarks
12/8/94	2:10	540	△2
1-19-95	3:00	500	
2-8-95	14:50	510	
3-27-95	15.00	520	

Comments: Circular sump inside the car wash area

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Nob Hill / Morgan Hill Int Fare Date: 12-27-94

Address: 200 ~~E. 10th St~~ W. Main

Telephone #: 842-3546 Fax #:

Business Type: supermarket Group: Commercial

H₂0 softener yes X no ___ Serviced yes X no ___ on site

Regen on site yes ___ no X Water usage ______ gpd (avg)

Sample location: ~~test manhole~~ ___ other: see below sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-27-94	10:45	320	
1-19-95	9:45	370	
–			
3-20-95	1152	5200	

Comments: under sink of meat department

Zurn-type grease trap

business will close ≤ 2 weeks. Steve Beach manager

842-3546

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Nob Hill Coin Op Wash + Dry Date: 12-27-94

Address: 209 W. Main St

Telephone #: 778-3934 Fax #:

Business Type: Laundromat Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___ other: see below

Date	Time	TDS	Remarks
12-27-94	10:20	310	
1-19-95	10:25	360	
2-8-95	1330	530	
3-20-95	1140	390	

Comments: back of washing machine

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Nob Hill ~~Shopping Center~~ Date: 12/5/94

Address: 90255 Main ST

Telephone #: Fax #:

Business Type: ~~Supermarket~~ shopping center Group: Commercial

H0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/5/94	12:00 p.m	320	△
1-19-95	9:30	370	
2-8 95	1305 hrs	320	
3-21-95	11:15	330	

Comments: Manhole in front of Advance Cleaners Sign on Main St

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: OHENRYS DONUTS Date: 12.27.94

Address: 500 Vineyard Town Center

Telephone #: 778-5955 Fax #:

Business Type: Bakery Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-27-94	1145	510	
1-19-95	1:30	280	
2-14-95	1330	340	
3-23-95	1000	390	

Comments: 100 lb grease interceptor at the back of the shop

CHONG YAM - owner/manager

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Pink Elephant Date: 12-8-94

Address: 16915 Monterey

Telephone #: 778-9088 Fax #:

Business Type: Bakery Group: Commercial

H_20 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-8-94	1130 AM	350	△7
1-18-95	11:45	410	
2-8-95	1415	370	
3-20-95	1445	550	

Comments: Grease interceptor inside the bakery

Alfonso Mesa - manager/owner →

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Safeway Date: 12/15/94

Address: 840 E Dunne

Telephone #: 776-8720 Fax #:

Business Type: Supermarket Group: Su Commercial

H

H$_2$0 softener yes X no ___ Serviced yes X no ___

Regen on site yes ___ no X Water usage _______ gpd (avg)

Sample location: test manhole X sample box X sewer manhole ___

Date	Time	TDS	Remarks
12/15/94	2:05	750	△8
1/18/95	10:10	610	
2/15/95	1115	530/600	
3-21-95	10:15	580	

Comments: Grease interceptor @ the back of the store
Al Scpeoweth maint manager
Mark Messenger store manager

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Sorrel Way + Dune Date: 12/15/94

Address: Cor: Dunne + Sorrel

Telephone #: Fax #:

Business Type: Group: Residential

H$_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _____ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/15/94	1:05	335	④
1/19/95	12:10	390	
2/14/95	10:05	450/900	
3-21-92	8:40	400	

Comments: Corner of Dunne + Sorrel; across from 16985 Sorrel St.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Sizzler's Restaurant Date: 12-30-94

Address: 15900 - Monterey Rd.

Morgan Hill, Ca 95037

Telephone #: 779-8663 Fax #: ____

Business Type: ~~Commercial~~ Fast Food Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no ✓

Regen on site yes ___ no ___ Water usage ____ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-30-94	10 15 a.m.	350	Interceptor was cleaned early in a.m.
1/18/95	1500	631	4" thick grease
2/14/95	1345	750	
3/20/95	1450	760	Rainy.

Comments: ____

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: St. Louise Hospital Date: 12-15 94

Address: ____________________

____

Telephone #: ____________________ Fax #: ____________________

Business Type: ____________________ Group: Industrial Gp

Call manager for

H$_2$0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15 94	1:35	330	△ $\boxed{3}$
1-19 95	1330	390	
2-14-95	10:20	480/980	
3-21-95	9:20	340	

Comments: Mission View Drive manhole @ the rear portion of the Hospital, SS. close to the Telephone pole

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Teddy Bear Wash + Dry Date: 12-8-94

Address: 16905 Monterey

Telephone #: 408 683-8388 Fax #:

Business Type: Laundromat Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no NA Water usage _______ gpd (avg)

Sample location: *(at back of washing machine) test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-8-94	10:55 AM	660	△4
1-19-95	12:00	330	
2-8-95	1435	320	
3-20-95	1345	2900	

Comments: Collection box at the back of each washing machine

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Tenant Station Date: 12/15/94

Address: 404 Tenant (in front of Citibank

Telephone #: Fax #:

Business Type: Shopping Center Group: Commercal

H₂0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12/15/94	1135	390	△10
1/18/95	1245	370	
2-14-95	13:25	480	
3-22-95	10:15	530	

Comments: manhole on Tenant, in front of Citibank

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Town + Country Carwash Date: 12-8-94

Address: 16940 Monterey

Telephone #: Fax #:

Business Type: Carwash Group: Commercial

H₂0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ✓ Water usage _____ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ✓

Date	Time	TDS	Remarks
12.8 94	1315	340	
1-18-95	11:30	360	
2-8-95	1355	330	
3·20·95	1308	190	

Comments: sump under the wash rack

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Vineyard Town Center Date: 12/15/94

Address: Monterey St (in front of Payless

Telephone #: Fax #:

Business Type: Shopping Center Group: Commercial

H

H$_2$0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-15-94	11:05	390	10
1-18-95	12:30	530	
2-14-95	13 15	340	
3-23-95	9:30	470	

Comments: Manhole in front of Payless and Eriks + Parking lot
Water softener @ Nob Hill regenerates on site
Nob Hill - [illegible]

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Wiltron **Date:** 12/5/94

Address: 490 Jarvis

Telephone #: 778-2000 **Fax #:**

Business Type: elect. mfg. **Group:** Industrial

H₂0 softener yes ✓ no ___ **Serviced** yes ✓ no ___

Regen on site yes ___ no ___ **Water usage** ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ✓

Date	Time	TDS	Remarks
12/5/94	1100	310	$\boxed{1}$ On clean + finish e. of pipe
12/5/94	1110	540	$\boxed{1}$ " sputtering end of pipe
		490	* C + f
		510	* S
2/9/95	10:05	360	C+f

2/9/95 10:05 420 S

Comments: Collected on 2 manholes on ~~Sutter~~ Jarvis Dr

1 across from the sign of the bldg

2nd off the street on the sidewalk across from sputt. bldg

* C + finish

3/20/95 1100 390 C+f

11:00 ~~390~~ 460 S

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Burger King

Date: 12-19-94

Address: 450 - Leavesley Rd.
Gilroy, Ca

Telephone #: 847-3993

Fax #: ___

Business Type: Fast Food

Group: Commercial

H_2O softener yes ___ no Y

Serviced yes ___ no Y

Regen on site yes ___ no Y

Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box [✓ 2nd clarifier] sewer manhole ___

Date	Time	TDS	Remarks
12-19-94	10 30 a.m.	450	
1-18-95	2 PM	640	
2-23-95	4	630	
5.25.95	1420	470	

Comments: Sample taken from 2nd clarifier compartment

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: CHEVY'S RESTAURANT Date: 12-13-94

Address: 8440- Murray Ave.
Gilroy, Ca 95020

Telephone #: 847-2726 Fax #: ______

Business Type: Restaurant Group: Commercial

H_2O softener yes ✓ no ___ Serviced yes ~~✓~~ [✓ no ✓]

Regen on site yes ✓ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ✓ sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	3^{PM}	1530	clarifier was overloaded.
1-19-95	9^{15} a.m.	1600	
2-27-95	3^{25} p.m.	800	cleaned 3 wks ago
3 27 95	945	1840	clarifier 6" thick w/ grease

Comments: Clarifier TEST manhole located at WEST SIDE of bldg. in brushes. Square ~~S~~ample box cover is camouflaged with brushes.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Cintas Corp Date: 12-1-94

Address: 964 Holloway Ave
Gilroy, CA

Telephone #: 848-1023 Fax #:

Business Type: Industrial Commercial laundry Group: Commercial

$H_2$0 softener yes X no Serviced yes no X

Regen on site yes X no Water usage gpd (avg)

once a day

Sample location: test manhole X sample box sewer manhole

Date	Time	TDS	Remarks S=U
12-1-94	13:15	670	II △9 End of Process
1-6-95	11 45 a.m.	920	Industrial laundry
2-27-95	1 30 p.m.	1050	
5-25-95	1115	440	

Comments: test manhole Back Parking lot near Clarifier

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Denny's Restaurant Date: 12-13-94

Address: 8425 - San Ysidro Ave.,
Gilroy, CA 95020

Telephone #: 842-7678 Fax #:

Business Type: Restaurant Group: Commercial

$H_2$0 softener yes X no ___ Serviced yes ___ no X

Regen on site yes X no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	3^{45}	1070	Clarifier sample box showed grease being over loaded.
1-18-95	12^{noon}	1435	
2-27-95	2^{pm}	480	Recently cleaned
3-27-95	9:15	310	

Comments: clarifier & sample box located in northside driveway.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Dusan Date: 12-5-94

Address: 8100 - Arroyo Circle
Gilroy, CA 95020

Telephone #: 848-5000 Fax #:

Business Type: Metal Finishing - Categorical Group: Industrial

H₂0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage 2000 gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-5-94	3 PM	590	
1-18-95	10 AM	650	
2-27-95	1:40 PM	400	Metal Finishing Regulated processes gone
3 25 95	11:30	530	

Comments: Regulated Processes = Chrome plating (Closed Loop / Zero Discharge) Chem etch line Removed — Business is moving out within 2 months.

Test manhole located in planting strip ~~at~~ Front, on Arroyo Circle.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: El Charito Market Date: 12-5-94

Address: 7638 Monterey Rd.
Gilroy, Ca 95020

Telephone #: 842-3659 Fax #:

Business Type: Mexican Market Group: Commercial

H$_2$0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-5-94	11^{30} a.m.	1500	Oil-grease interreptor was overloaded, Cleanup immediately Requested by CCD.
1-19-95	1^{30} p.m.	1450	
2-27-95	4^{30} pm	1610	Clean within 5 days Requested by CCD
3-25-95	13.15	670	

Comments: Caution: Large Roaming Rothwieler dog in Area — Tame?
Processes: – meat market, Corn tortilla and Masa
production

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: First St. Car Wash Date: 12-13-94

Address: 951 - First St.
Gilroy CA 95020

Telephone #: 847-9910 Fax #:

Business Type: Car Wash Group: Commercial

H_20 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	11	340	
1-11-95	11^{35}	340	
2-27-95	10^{45}	670	
3-27-95	1100	320	

Comments: Sample taken from clarifier's last compartment.
Facility Close during RAIN SEASON.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Gavilan College　Date: 12-5-94

Address: 5055 Santa Teresa Blvd.
Gilroy, CA 95020

Telephone #: 847-1400/848-4800　Fax #: ____

Business Type: Jr. College　Group: Commercial

H_2O softener　yes ___ no ___　Serviced　yes ___ no ___

Regen on site　yes ___ no ___　Water usage ____ gpd (avg)

Sample location:　test manhole ___　sample box ___　sewer manhole ✓

Date	Time	TDS	Remarks
12-5-94	10^{45} a.m.	440	
1-19-95	3^{pm}	670	
2-27-95	12^{35}	900	
[illegible]	1035	270	

Comments: Manhole located at Northeast corner of Parking Lot A (Front Lot)
manhole cover painted yellow.
School have pool, chillers, boilers, Science labs, Cafeteria,
Auto Repair, eqr. maint.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Gaylord Container Corp. Date: 12-13-94

Address: 6400 - Jamieson Way
Gilroy, CA 95020

Telephone #: 847-6400 Fax #: ____

Business Type: Fiberboard Manufacturing Group: Industrial

H$_2$0 softener yes X no ___ Serviced yes ___ no ✓

Regen on site yes X no ___ Water usage ______ gpd (avg)

Sample location: test manhole ✓ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-18-94	9^{30} a.m.	1250	
1-17-95	1^{30} p.m.	1000	
2-27-95	12^{30} p.m.	900	Low Flow
~~3-23-95~~	~~2:45~~	~~4770~~	resample: reason non-representative sa
3-24-95	9:45	1410	

Comments: Test manholes located outside gate

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Gilroy High School Date: 12-5-94

Address: 750 W. Tenth St.
Gilroy, Ca 95020

Telephone #: 847-2424 Fax #:

Business Type: ~~Junior Coll~~ High School Group: Commercial

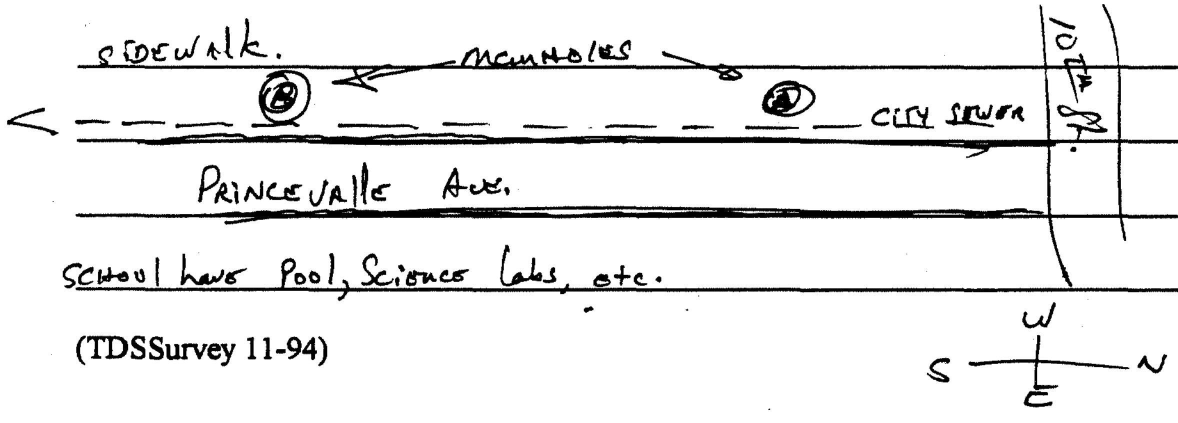
H20 softener yes X no ___ Serviced yes X no ___

Regen on site yes ___ no X Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-5-94	10 15 a.m.	390	From manhole Ⓐ (2 laterals from school)
1-20-95	9 45	670	manhole Ⓐ
2-28-95	10 15	510	manhole A
3-28-95		130	Manhole A

Comments: Unable to get representative sample for TDS at manhole B. Large city line co-mingle with low incomming effluent from school. Manholes Ⓐ & Ⓑ located in lawn at side of sidewalk.



School have Pool, Science labs, etc.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Gilroy Medical Park Date: 12-13-94

Address: 7880 - Wren Ave.

Gilroy, CA 95020

Telephone #: 842-2320 Fax #:

Business Type: Medical/Dental Complex Group: Commercial

H_2O softener yes ___ no ✓ Serviced yes ___ no ✓

Regen on site yes ___ no ✓ Water usage _______ gpd (avg)

Sample location: test manhole ✓ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	1 45 p.m.	310	
1-15-95	11 35 a.m.	302	
2-27-95	11 15 a.m.	740	
3 27 95	1125	370	

Comments: END OF PIPE TEST MANHOLE LOCATED by CONCRETE fence facing WREN AVE., INSIDE OF FENCE AREA at the end of the MIDDLE Bldg.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Glenn View Elementary School Date: 12-5-94

Address: 600 West 8th St.
Gilroy, CA 95020

Telephone #: 842-8292 Fax #: ____

Business Type: Elementary School Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage ____ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-5-94	9^{30} a.m.	430	Low Flow, near top of Line
1-17-95	9^{15} a.m.	370	
2-25-95	10 a.m.	430	
3·29·95	1400HRS	1300	

Comments: City manhole in middle of street, front of 580 W. 9th St.; manhole services school only.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Golden West Restaurant Date: 12-1-94

Address: 840 ~~Bram Lane~~ Pacheco Pass Highway
Gilroy, Ca

Telephone #: 8426448 Fax #: ____

Business Type: Restaurant Group: Commercial

H20 softener [✓ yes ✓] no ~~X~~ Serviced yes X no ___

Regen on site yes ___ no ___ Water usage 2000 gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-1-94	13.00	570	⚠ Restaurant
1-11-95	11:00 a.m.	550	
2-27-95	1 pm	650	
3 24 95	1055	470	

Comments: Sample Box on East side of the Restaurant

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Hecker Pass Plaza Date: 12-13-94

Address: 1280 - First St.
Gilroy, CA

Telephone #: Fax #:

Business Type: Shopping Centers Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage ______ gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	10^{15}	440	
1-11-95	12^{45} p.m.	730	
2-27-95	10^{30} a.m.	360	
3-27-95	11:15	480	

Comments: END OF PIPE TEST MANHOLE FOR SHOPPING CENTER LOCATED AT SOUTH WEST CORNER OF LOT, NEXT TO CONCRETE WALL. Sewer discharge to Judith St. (Residential on other side of fence).

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Industrial, Commercials Date: 12-1-94

Address: 6310 Chestnut st

Telephone #: Fax #:

Business Type: Lite Indust + shopping center Group: Commercial

H_20 softener yes X no ___ Serviced yes X no ___

Regen on site yes ___ no X Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	10:10	480	△5 chestnut st
1-17-95	10:00	390	
2-28-95	8^{45}	380	
3-23-95	1:35	420	

Comments: manhole in Front of Martins Recycling Co.
Honda Dealership has water Softner
Dry Clean nexto Pay Less shoes water soft.
Pringle Tractor Co with water softner

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Industrial Park Date: 12-1-94

Address: 555 Mayock Road

Gilroy

Telephone #: — Fax #: —

Business Type: Industrial Park Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	9:30	270	△5 Lift Ind Park
1-18-95	$10^{\underline{20}}$	330	
2-27-95	$12^{\underline{45}}$	440	
3-23-95	14:10	610	

Comments:

manhole in Front of Simson Industrial Square Sign

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Pay/Less K-Mart shopping centers Date: 12-1-94

Address: Chestnut Ave

Telephone #: Fax #:

Business Type: Shopping Centers Group: Commercial

H_2O softener yes ☐ no ☒ Serviced yes ☐ no ☐

Regen on site yes ☐ no ☐ Water usage ____ gpd (avg)

Sample location: test manhole ☐ sample box ☐ sewer manhole ☒

Date	Time	TDS	Remarks
12-1-94	14:45	300	△10 shopping center
1-17-95	9^{45}	312	
2-25-95	8^{30}	530	
3-27-95	1:45	420	

Comments: manhole in the street next to lift station on chestnut Recieving K Mart. Pay Less shopping center

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: LAUNDERLAND Date: 12-19-94

Address: 343 - E. TENTH St., #F

Gilroy, Ca

Telephone #: 842-1854 / 848-3791 — Mr. Hor Fax #:

Business Type: LAUNDROMAT Group: COMMERCIAL

H_2O softener yes ___ no Y Serviced yes ___ no ✓

Regen on site yes ___ no ✓ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___ X — Discharge pipe

Date	Time	TDS	Remarks
12-19-94	9 35	1400	
1-20-95	9 15 a.m.	662	
2-27-95	1 15 p.m.	640	
3-27-95	11:45	~~300~~ 300	

Comments: Sample taken from washwater discharge — discharging cycle was wash cycle.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: LAUNDERLAND Date: 12-13-94

Address: 8050 - WREN AVE.
Gilroy, Ca 95020

Telephone #: 847-1030 Fax #:

Business Type: Laundromat Group: Commercial

$H_2$0 softener yes ___ no Y Serviced yes ___ no Y

Regen on site yes ___ no Y Water usage ______ gpd (avg)

Sample location: test manhole ___ ~~sample box~~ Y sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	12^{15}	1040	
1-20-95	10^{30} am	1200	
2-28-95	12^{-}	700	
3-27-95	11:00	290	

Comments: Sample taken from TRENCH drain in back of WASHERS.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Light Indust Park Date: 12-1-94

Address: 6600 Brem Lane

Gilroy

Telephone #: Fax #:

Business Type: machine shops, Body shops Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	11:30	300	△5 6600 Brem Lne
1-11-95	11:15 a.m.	950	
2-27-95	1:10 pm	520	
3-24-95	11:00	360	

Comments:

~~Eagle Way~~ Brem Lane mini storage manhole at the End of Building F-53. City sewer from Light industrial park runs through mini-storage facility.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Light Industrial Park Date: 12-1-94

Address: Engle Ave and Luchessa Ave
Gilroy, CA

Telephone #: Fax #:

Business Type: Industrial Park Group: Commercial

H_20 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage 3000 gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	13:30	560	△5 Lite Ind. Park
1-17-95	10:30	550	
2-27-95	12^{45}	560	
3-23-95	14:00	330	

Comments: First manhole on Engle Ave in Front of Versco Co

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Lucky's Date: 12-1-94

Address: 6906 Chestnut
Gilroy

Telephone #: 847-1062 Fax #:

Business Type: supermarket Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage 2000 gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	14:30	340	$\triangle$8 included Gilroy Cinema
1-[illegible]-95	3^{pm}	560	
2-27-95	$12\frac{45}{pm}$	890	
3-29-95		–	unable to sample

Comments: Sewer manhole on South side of the Building adjacent to Gilroy Meter fence

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: McDonald's Date: 12-20-94

Address: 8890 Arroyo Circle
Gilroy, Ca 95020

Telephone #: 847-5446 Fax #:

Business Type: Fast Food Group: Commercial

H_2O softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ✓ sewer manhole ___

Date	Time	TDS	Remarks
12-20-94	10 am	450	clarifier was overloaded with grease
1-19-95	8 30 am	780	
2-28-95	11 a.m.	650	
3.25 95	1445	590	

Comments: Sample box was very difficult to open — used pick up. truck's crane

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: McDonald's Date: 12-1-94

Address: 699c Chestnut St.

Gilroy, CA

Telephone #: 842-7775 Fax #: –

Business Type: Fast Food Restaurant Group: Commercial

H_2O softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ________ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-1-94	13:45	760	△1 Fast Food
1-11-95	11^{30} a.m.	750	
2-27-95	2^{45} p.m.	680	
3.22.95	13^{30}	320	

Comments: Sample Box on the South Side of The Building in The landscaping area

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Michael's Coin Car Wash Date: 12-5-94

Address: 7990 — Monterey Rd.

Gilroy, Ca 95020

(847-1730)

Telephone #: 847-1730 Fax #:

Business Type: Self operate Coin Car Wash Group: Commercial

H_20 softener yes ___ no x Serviced yes ___ no x

Regen on site yes ___ no x Water usage 400 gpd (avg)

Sample location: test manhole ___ sample box x sewer manhole ___

Date	Time	TDS	Remarks
12-5-99	1^{15} p.m.	300	Last compartment sampled.
1-19-95	2^{pm}	330	
2-23-95	3^{45} p.	650	
3.20.95	1340	340	

Comments: sample taken from 3rd compartment of clarifier [(2'x2'x2') x 3]. Clarifier location is in 3rd Bay — starting from left.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

(3)

Name: OUTLET MALL - PHASE III Date: 12-21-94

Address: 8300 - Camino Arroyo
Gilroy, Ca

Telephone #: 842-3729 Fax #:

Business Type: SHOPPING CENTERS Group: Commercial

H$_2$0 softener yes X no ___ Serviced yes ___ no X

Regen on site yes X no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-21-94	10^{00} am	540	
1-17-95	4 p.m.	500	
2-28-95	11^{30} a.m.	500	
3-25-95	1500	690	

Comments: Sample taken from ONE OF 2 manhole in FRONT OF KORET Store / unit #380 — THE MANHOLE is the most northern manhole of the two.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Pink Elephant #3 Date: 12-1-94

Address: 340 E 10th st

Gilroy

Telephone #: 8429168 Fax #:

Business Type: Bakery Group: Commercial

$H_2$0 softener yes ___ no X Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
12-1-94	330	320	△ Bakery
1-20-95	10^{20} a.m.	740	
2-28-95	10^{30} a.m.	540	
3-21-95	908	470	

Comments: Sampled From Sewer manhole in Front of SubWay on 10th st in the IVY area.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: PREMIERE AUTOBODY Date: 12-5-94

Address: 101- Leavesley Rd.
Gilroy, CA 95020

Telephone #: (408) 848-3883 Fax #:

Business Type: AUTOBODY SHOP Group: COMMERCIAL

H_20 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage 500 gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-5-94	1^{45} pm	260	
1-11-95	2^{22}	260	
2-27-95	4^{15} p..	350	
3·21·95	1005	260	

Comments: Sample taken from clarifier's 2nd compartment by exiting effluents. Compartment = 2 compartment, 800 gallon. Located outside office window area.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: PW Market Date: 12-19-94

Address: 260 - E. Tenth St.
Gilroy, Ca

Telephone #: 848-5277 Fax #: ___

Business Type: Super markets Group: Commercial

H_2O softener [✓ yes] no ___ Serviced yes ___ [✓ no]

Regen on site [✓ yes] no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ [✓ sample box] sewer manhole ___

Date	Time	TDS	Remarks
12-19-94	9^{15} a.m	400	
1-11-95	12^{00} noon	670	
2-27-95	1^{pm}	850	
3-24-95	9:00	370	

Comments: Sample clarifier's samplebox located on west side of Bldg. — Problem area — in parking spaces

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Residental Date: 1-17-95

Address: 235 Victoria

Telephone #: – Fax #: –

Business Type: N/A Group: Residental

H_2O softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
9-19-94	10:30	520	
1-17-95	10:15	325	
2-25-95	9 am	460	
3-25-95	10:00	940	

Comments:

Victoria and Sussex

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Residental Date: 1-17-95

Address: 575 Seventh , Maple - Gilroy

Telephone #: Fax #:

Business Type: Group: Residental

H_2O softener yes ___ no X Serviced yes ___ no x

Regen on site yes ___ no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole X

Date	Time	TDS	Remarks
9-19-94	11:00	340	
1-17-95	9:15	260	
2-25-95	9 15 a.	410	
3-25-95	13:00	360	

Comments:

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Residental Date: 1-17-95

Address: 753 Alandra & Wel Burn

Telephone #: Fax #:

Business Type: Group: Residental

H_20 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
9-19-94	11:30	440	O
1-17-95	10:30	352	
2-25-95	9 45	430	
3 29·95	10:20	400	

Comments:

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Residental Date: 1-17-95

Address: Delta and WelBurn

Telephone #: Fax #:

Business Type: N/A Group: Residental

H_20 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
9-19-94	10:00	440	
1-17-95	10:45	410	
2-27-95	10 15 a.m.	380	
3-27-95	1035	400	

Comments:

Intersection on The street

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Safeway Market **Date:** 12-13-94

Address: 845 - First St.
Gilroy, CA 95020

Telephone #: 842-0358 **Fax #:** ____

Business Type: Supermarkets **Group:** Commercial

$H_2$0 softener yes ___ no X **Serviced** yes ___ no X

Regen on site yes ___ no X **Water usage** ______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	11^{45}	450	Sampled last compartment of 40# grease trap.
1-19-95	2^{30} p.	430	
2-27-95	11^{45}	760	
3-27-95	1050	270	

Comments: Grease trap located at the back of the meat market.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Seed System Date: 12-19-94

Address: 8333 - Swanston Lane
Gilroy, Ca

Telephone #: 848-8120 Fax #:

Business Type: Seed Coating Production Group: Industrial

H₂0 softener yes ___ no X Serviced yes ___ no Y

Regen on site yes ___ no X Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-19-94	330 p.m.	280	
1-18-95	215	310	
2-28-95	1145	640	
3 25 95	1345	470	

Comments: Sample taken from LIFT Station where the clarifier discharges into.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: SERVICE SOFT Date: 12-19-94

Address: 8111 — Swanston Lane
Gilroy, Ca

Telephone #: 847-2277 Fax #: ___

Business Type: WATER SOFTENING SERVICE Group: INDUSTRIAL

H$_2$0 softener yes ✓ no ___ Serviced yes ___ no ✓

Regen on site yes ✓ no ___ Water usage 2000 gpd (avg)

✓ — END OF PROCESS BEFORE S.S.

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-19-94	11^{45} a.m.	3400	
1-[illegible]-95	4—	1480	
2-27-95	4^{15} p—	1910	
3.25.95	1400 HRS	750	

Comments: Sample taken from trench just before discharging into the sanitary sewer — inside bldg.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Shell Service Station Date: 12-5-94

Address: 400 - Leavesley Rd.
Gilroy, CA 95020

Telephone #: (408) 842-5227 Fax #: _____

Business Type: Service Station with Car Wash Group: Commercial

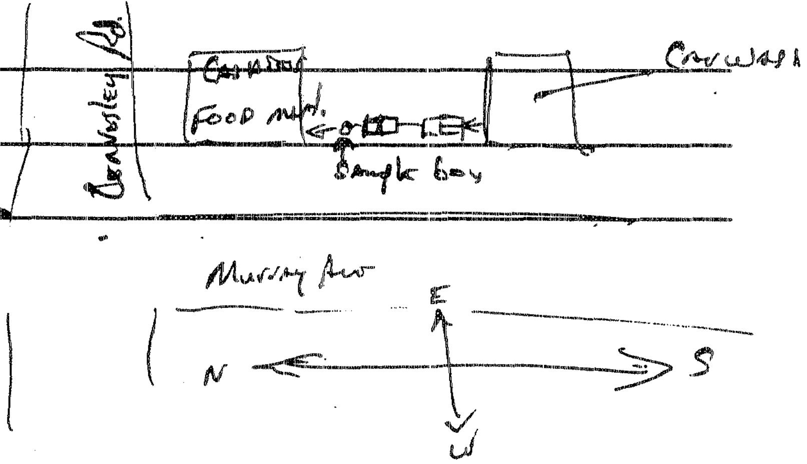
H₂0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage _____ gpd (avg)

Sample location: test manhole ___ sample box X sewer manhole ___

Date	Time	TDS	Remarks
12-5-94	2 pm	310	
1-13-95	12:30 pm	250	
2-27-95	4 pm	380	
3.24.95	1405	200	

Comments: Sample taken from sample box after 4th Clarifier compartment. Sample box located between car wash bldg. and food mart/cashier's bldg.



(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: South County Chrysler Date: 12-5-94

Address: 6600 Chestnut St.

Gilroy, CA

Telephone #: 842-8244 Fax #: ____

Business Type: Auto Dealership Group: Commercial

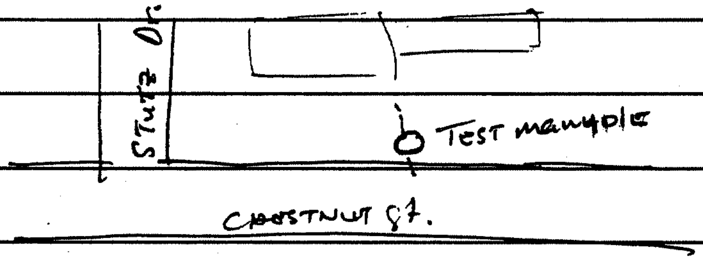
$H_2$0 softener yes ___ no X Serviced yes ___ no X

Regen on site yes ___ no X Water usage ______ gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-5-94	11^{10} a.m.	560	
1-17-95	2^{20} pm	610	
2-27-95	3 pm.	680	
3 24 95	935	700	

Comments: Test manhole (end-of-pipe) located in grass area next to sidewalk on Chestnut street.



(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: South Valley Hospital Date: 12-6-94

Address: 8400 - No Name Uno

Gilroy, Ca 95020

Telephone #: (408) 848-2000 Fax #: ____

Business Type: Hospital Group: Commercial

H_20 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage 25,000 gpd (avg)

Sample location: test manhole X sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-6-94	1^{15} pm	560	
1-18-95	11^{am}	620	
2-27-95	2^{15} pm	600	
3.29.95	1520	430	

Comments: Manhole Located at right side of entry road.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: South Valley Jr. High Date: 12-21-94

Address: 240 Swanston Lane
Gilroy, CA

Telephone #: 847-3377 Fax #:

Business Type: Schools Group: Commercial

H_20 softener yes ___ no x Serviced yes ___ no x

Regen on site yes ___ no ✓ Water usage _____ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ✓

Date	Time	TDS	Remarks
12-21-94	9^{45} a.m.	400	School Closed due to Xmas Break
1-17-95	12 p.m.	440	
2-25-95	9^{30} a.m.	1400	
[illegible]	9^{00}	1400	

Comments: sample taken in middle of street in front of residence at 400 I.O.O.F. St.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: South Valley Medical Pavillion Date: 12-6-94

Address: 9660 - No Name Uno Ave.
Gilroy, Ca 95020

Telephone #: Fax #:

Business Type: Medical office/clinic Complex Group: Commercial

H_20 softener yes ___ no y Serviced yes ___ no y

Regen on site yes ___ no y Water usage unknown gpd (avg)

Sample location: test manhole x sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
12-6-94	2^{00} p.m.	410	The complex was having a sewer stoppage
1-11-95	11^{30} a.m.	325	
2-27-95	2^{25} p.m.	430	
3-24-95	1535	430	

Comments: Test manhole located about 20 ft. from No Name Uno ave., Facility is 3 story with numerous occupants. Water usages not available.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Tompkins Ct. / Murray Ave. **Date:** 12-13-94

Address: 8900 – Murray Ave.
Gilroy, CA 95020

Telephone #: **Fax #:**

Business Type: INDUSTRIAL (LITE) PARK **Group:** Commercial

H$_2$0 softener yes ___ no Y **Serviced** yes ___ no Y

Regen on site yes ___ no Y **Water usage** ________ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole Y

Date	Time	TDS	Remarks
12-13-94	2^{45} p.m.	370	
1-19-95	11^{15} a.m.	350	
2-27-95	3^{30} p.m.	430	
3-31-95	1000	520	

Comments: sewer manhole services lite industrial park by Tompkins Court & Murray Ave. Manhole located across 8900 – Murray Ave., east side of Murray Ave. next (northside) to bridge.

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Village Car Wash Date: 12-13-94

Address: 8383 – Church St.
Gilroy, CA 95020

Telephone #: 848-1801 Fax #:

Business Type: Car Wash Group: Commercial

H₂0 softener yes ___ no Y Serviced yes ___ no Y

Regen on site yes ___ no Y Water usage ________ gpd (avg)

Sample location: test manhole ___ ~~sample box~~ Y sewer manhole ___

Date	Time	TDS	Remarks
12-13-94	1 pm	410	
1-1-95	1 pm	350	
2-23-95	3 pm	1000	
3.28 95	10:10	440	

Comments: Sample taken from last clarifier compartment

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Westwood Wash & Dry Date: 12-21-94

Address: 7460-G Westwood Dr.
Gilroy, Ca

408/287-1215 — owner's ph. / Barry Zamora
Telephone #: 847-3222 — Laundromat Fax #: ___

Business Type: Laundromat Group: Commercial

H_2O softener yes X no ___ Serviced yes ___ no X

Regen on site yes X no ___ Water usage ___ gpd (avg)

Sample location: test manhole ___ sample box X — end of process ___ sewer manhole ___

Date	Time	TDS	Remarks
12-21-94	3^{15}	1300	Sampling done in locked back room
1-20-95	11^{am}	560	
2-25-95	12^{15} pm	600	
3-27-95	1200	1290	

Comments: Sample taken from back room where big boy washers discharge ....Locked Room.

(TDSSurvey 11-94)

FAX COVER SHEET

OMI
OPERATIONS MANAGEMENT
INTERNATIONAL, INC.

DATE: 3/29/95

TO: Ramesh Babu

OFFICE: JMM Walnut Creek

FAX PHONE: X 28

SENT FROM: Al Slecta

CO: OMI, INC., 1500 SOUTHSIDE DR.

CITY: GILROY CA: 95020

FAX: 408-842-0873 OFFICE: 408-848-0480

NO. OF PAGES TRANSMITTED: 5
(including cover)

SPECIAL INSTRUCTIONS OR COMMENTS:
Septage – March 95

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Septage Rec'd @ WWTP Date: February, 95

Address: ____

Telephone #: ____ Fax #: ____

Business Type: ____ Group: ____

H$_2$0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
2-27-95	1245	744	Tims Septic

Comments: ____

EC - 1525 umhos

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Septage Rec'd @ WWTP Date: March 1995

Address:

Telephone #: Fax #:

Business Type: Group:

H$_2$0 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage _______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
3-14-95	1225	7780	Jim's Septic

Comments:

EC - 15,620 µmhos

(TDSSurvey 11-94)

TOTAL DISSOLVED SOLIDS SURVEY
SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY

Name: Septage Rec'd @ WWTP Date: March 1995

Address: ______

______

Telephone #: ______ Fax #: ______

Business Type: ______ Group: ______

H_20 softener yes ___ no ___ Serviced yes ___ no ___

Regen on site yes ___ no ___ Water usage ______ gpd (avg)

Sample location: test manhole ___ sample box ___ sewer manhole ___

Date	Time	TDS	Remarks
3/24/95	1400	5700	AJAX Septage

Comments: ______

______

EC - 10,210 umhos.

(TDSSurvey 11-94)

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0615801            SERVICE ADDRESS
 CUSTOMER NAME                       16940    MONTEREY ST
 TOWN & COUNTRY+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95       3768            32 N     28 |
 TOWN & COUNTRY|   1 DEF IN     1 01/10/95       3736            39 N     35 |
               |   1 DEF IN     1 12/06/94       3697            24 N     25 |
 16940    MONTE|   1 DEF IN     1 11/11/94       3673            38       29 |
               |   1 DEF IN     1 10/13/94       3635            57       36 |
               |   1 DEF IN     1 09/07/94       3578            55       27 |
               |   1 DEF IN     1 08/11/94       3523            70       34 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/08/94       3453            52       28 |APE
 SOC SECURITY #|   1 DEF IN     1 06/10/94       3401            44       30 |
 CA DRIVERS LIC|   1 DEF IN     1 05/11/94       3357            42       34 |
 SERVICE       |   1 DEF IN     1 04/07/94       3315            42       29 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/09/94       3273            30       27 | 0.00
   7 C  1-5    |   1 DEF IN     1 02/10/94       3243            30       29 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY                     |
   9 C 11->    |                                                              |
               +-------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE   transfer
                                    16:05      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0623900            SERVICE ADDRESS
 CUSTOMER NAME                       16940    MONTEREY ST LANDSCAPE
 TOWN & COUNTRY+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95        889             0 N     28 |
 TOWN & COUNTRY|   1 DEF IN     1 01/10/95        889             0 N     35 |
               |   1 DEF IN     1 12/06/94        889             0 N     25 |
 16940    MONTE|   1 DEF IN     1 11/11/94        889             0       29 |
               |   1 DEF IN     1 10/13/94        889             0       36 |
               |   1 DEF IN     1 09/07/94        889             2       27 |
               |   1 DEF IN     1 08/11/94        887             0       34 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/08/94        887             0       28 |APE
 SOC SECURITY #|   1 DEF IN     1 06/10/94        887             0       30 |
 CA DRIVERS LIC|   1 DEF IN     1 05/11/94        887             0       34 |
 SERVICE       |   1 DEF IN     1 04/07/94        887             0       29 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/09/94        887             0       27 | 0.00
  13 L 1-5     |   1 DEF IN     1 02/10/94        887             0       29 |
  14 L 6-10    |              PRESS ESCAPE TO EXIT DISPLAY                     |
  15 L 11->    |                                                              |
               +-------------------------------------------------------+
```

555   391   1.41

0.07

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1203600            SERVICE ADDRESS
 CUSTOMER NAME                       16170   JACQUELINE CT-LANDSCAPE
 B.A.S.PRECISIO+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95       4862           51 N    27 |
 B.A.S.PRECISIO|  1 DEF IN     1 01/11/95       4811           67 N    36 |
               |  1 DEF IN     1 12/06/94       4744           46 N    25 |
 16170    JACQU|  1 DEF IN     1 11/11/94       4698           50      29 |
               |  1 DEF IN     1 10/13/94       4648           23      36 |
               |  1 DEF IN     1 09/07/94       4625          175      27 |
               |  1 DEF IN     1 08/11/94       4450          281      34 |LTY I
 PROPERTY ID   |  1 DEF IN     1 07/08/94       4169          324      28 |APE
 SOC SECURITY #|  1 DEF IN     1 06/10/94       3845          154      30 |
 CA DRIVERS LIC|  1 DEF IN     1 05/11/94       3691          141      34 |
 SERVICE       |  1 DEF IN     1 04/07/94       3550           50      28 |L DUI
   1 DEF IN    |  1 DEF IN     1 03/10/94       3500           55      28 |06.1
  13 L 1-5     |  1 DEF IN     1 02/10/94 1 year 3445          54      28 |
  14 L 6-10    |          PRESS ESCAPE TO EXIT DISPLAY        1471     390 |3.7
  15 L 11->    |                                                          |
               +---------------------------------------------------------+

 device     pf     basic    modes  10    18  COMMAND   file     HELP    EXIT
control    keys    config   keys    CN        LINE   transfer
                                   15:01      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1203700            SERVICE ADDRESS
 CUSTOMER NAME                       16170   JACQUELINE CT-BLDG
 B.A.S. PRECISI+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95       4038           81 N    27 |
 B.A.S. PRECISI|  1 DEF IN     1 01/11/95       3957           87 N    36 |
               |  1 DEF IN     1 12/06/94       3870           63 N    25 |
 16170    JACQU|  1 DEF IN     1 11/11/94       3807           81      29 |
               |  1 DEF IN     1 10/13/94       3726           91      36 |
               |  1 DEF IN     1 09/07/94       3635           65      27 |
               |  1 DEF IN     1 08/11/94       3570           85      34 |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/08/94       3485           68      28 |APE
 SOC SECURITY #|  1 DEF IN     1 06/10/94       3417           89      30 |
 CA DRIVERS LIC|  1 DEF IN     1 05/11/94       3328          152      34 |
 SERVICE       |  1 DEF IN     1 04/07/94       3176          101      28 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/10/94       3075          121      28 |02.40
   7 C  1-5    |  1 DEF IN     1 02/10/94       2954          136      28 |
   8 C 6-10    |          PRESS ESCAPE TO EXIT DISPLAY        1220     390 |3.13
   9 C 11->    |                                                          |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0721102               SERVICE ADDRESS
 CUSTOMER NAME                          16025   MONTEREY ST            BLDG
 BURGER KING #2+------------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95       1666          43 N     29  |
 BURGER KING CO|   1 DEF IN     1 01/23/95       1623          54 N     35  |
               |   1 DEF IN     1 12/19/94       1569          45 N     28  |
 C/O REST      |   1 DEF IN     1 11/21/94       1524          46 N     28  |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94       1478          49       28  |
 95037         |   1 DEF IN     1 09/26/94       1429          58       34  |
               |   1 DEF IN     1 08/23/94       1371          51       28  |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94       1320          63       36  |
 SOC SECURITY #|   1 DEF IN     1 06/20/94       1257          42       28  |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94       1215          38       28  |
 SERVICE       |   1 DEF IN     1 04/25/94       1177          40       35  |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94       1137          26       27  |94.64
   3 IN  1-5   |   1 DEF IN     1 02/22/94       1111          25       28  |
   4 IN 6-10   |             PRESS ESCAPE TO EXIT DISPLAY     580      392  | 1.48
   5 I 11-30   |                                                            |
               +------------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND   file     HELP    EXIT
control    keys    config    keys    CN       LINE    transfer
                                    15:08     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0724601               SERVICE ADDRESS
 CUSTOMER NAME                          16025   MONTEREY ST            LANDSCAP
 BURGER KING #2+------------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95       7501           0 Y     29  |
 BURGER KING CO|   1 DEF IN     1 01/23/95       7506          20 N     35  |
               |   1 DEF IN     1 12/19/94       7486          44 N     28  |
 16025   MONTE |   1 DEF IN     1 11/21/94       7442          40 N     28  |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94       7402          49       28  |
 95037         |   1 DEF IN     1 09/26/94       7353         207       34  |
 C/O RESTAURANT|   1 DEF IN     1 08/23/94       7146          89       28  |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94       7057         126       36  |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94       6931          80       28  |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94       6851          53       28  |
 SERVICE       |   1 DEF IN     1 04/25/94       6798          70       35  |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94       6728          12       27  |13.74
  13 L 1-5     |   1 DEF IN     1 02/22/94       6716          20       28  |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY     810      392  | 2.07
  15 L 11->    |                                                            |
               +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2506300            SERVICE ADDRESS
 CUSTOMER NAME                       15850    CONCORD CR-LAND
 LEONARD COMPAN+-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING   USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95      7804          17 N      27 |
 LEONARD COMPAN|  1 DEF IN     1 01/11/95      7787          25 N      36 |
               |  1 DEF IN     1 12/06/94      7762          26 N      25 |
 15850    CONCO|  1 DEF IN     1 11/11/94      7736          53        29 |
               |  1 DEF IN     1 10/13/94      7683          96        36 |
               |  1 DEF IN     1 09/07/94      7587         118        27 |
               |  1 DEF IN     1 08/11/94      7469         192        34 |LTY IN
 PROPERTY ID   |  1 DEF IN     1 07/08/94      7277          83        28 |APE
 SOC SECURITY #|  1 DEF IN     1 06/10/94      7194          71        30 |
 CA DRIVERS LIC|  1 DEF IN     1 05/11/94      7123          74        34 |
 SERVICE       |  1 DEF IN     1 04/07/94      7049         102        28 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/10/94      6947          78        28 | 0.00
  13 L 1-5     |  1 DEF IN     1 02/10/94      6869          65        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY   1000       390 | 2.56
  15 L 11->    |                                                          |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  9513000            SERVICE ADDRESS
 CUSTOMER NAME                                CORP YD/EDES CRT-BLDG
 CITY OF MORGAN+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/21/95        354         10 N     29 |
 CITY OF MORGAN|   1 DEF IN    1 01/23/95        344         13 N     35 |
               |   1 DEF IN    1 12/19/94        331         11 N     28 |
 17555    PEAK |   1 DEF IN    1 11/21/94        320         12 N     28 |
 MORGAN HILL, C|   1 DEF IN    1 10/24/94        308         11       28 |
 95037         |   1 DEF IN    1 09/26/94        297         14       34 |
               |   1 DEF IN    1 08/23/94        283         11       28 |LTY Y
 PROPERTY ID   |   1 DEF IN    1 07/26/94        272         14       36 |
 SOC SECURITY #|   1 DEF IN    1 06/20/94        258         15       28 |
 CA DRIVERS LIC|   1 DEF IN    1 05/23/94        243         12       28 |
 SERVICE       |   1 DEF IN    1 04/25/94        231         12       35 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/21/94        219          8       27 |49.15
 140 SW/OFFC   |   1 DEF IN    1 02/22/94        211          7       28 |
 176 PRE-NON   |             PRESS ESCAPE TO EXIT DISPLAY   150     392  |0.38
     DELINQ    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0208201              SERVICE ADDRESS
 CUSTOMER NAME                         16725    CONDIT RD-BLDG
 DAN GAMEL'S MO+-----------------------------------------------------+
               | SERVICE    METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN      1 02/06/95        801           40 N     27 |
 SUNSET MOTORS |  1 DEF IN      1 01/10/95        761           40 N     36 |
               |  1 DEF IN      1 12/05/94        721           43 N     27 |
 16725    CONDI|  1 DEF IN      1 11/08/94        678           50       27 |
               |  1 DEF IN      1 10/12/94        628           75       36 |
               |  1 DEF IN      1 09/06/94        553           52       29 |
               |  1 DEF IN      1 08/08/94        501           75       33 |LTY N
 PROPERTY ID   |  1 DEF IN      1 07/06/94        426           60       29 |
 SOC SECURITY #|  1 DEF IN      1 06/07/94        366           47       28 |
 CA DRIVERS LIC|  1 DEF IN      1 05/10/94        319           61       35 |
 SERVICE       |  1 DEF IN      1 04/05/94        258           59       28 |L DUE
   1 DEF IN    |  1 DEF IN      1 03/08/94        199           49       29 |16.3
   7 C  1-5    |  1 DEF IN      1 02/07/94        150           20       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY     671      392 |1.71
   9 C 11->    |                                                            |
               +------------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND   file      HELP      EXIT
control    keys    config    keys     CN        LINE   transfer
                                    15:15       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0208400              SERVICE ADDRESS
 CUSTOMER NAME                         16725    CONDIT RD-LANDSCAPE
 DAN GAMEL'S MH+-----------------------------------------------------+
               | SERVICE    METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN      1 02/06/95       1635            0 N     27 |
 DAN GAMEL'S MH|  1 DEF IN      1 01/10/95       1635            0 N     36 |
               |  1 DEF IN      1 12/05/94       1635           33 N     27 |
 16725    CONDI|  1 DEF IN      1 11/08/94       1602          134       27 |
               |  1 DEF IN      1 10/12/94       1468          225       36 |
               |  1 DEF IN      1 09/06/94       1243          192       29 |
               |  1 DEF IN      1 08/08/94       1051          281       33 |LTY N
 PROPERTY ID   |  1 DEF IN      1 07/06/94        770          242       29 |
 SOC SECURITY #|  1 DEF IN      1 06/07/94        528          132       28 |
 CA DRIVERS LIC|  1 DEF IN      1 05/10/94        396          155       35 |
 SERVICE       |  1 DEF IN      1 04/05/94        241          237       28 |L DUE
   1 DEF IN    |  1 DEF IN      1 03/08/94          4            4       29 | 8.15
  13 L 1-5     |  1 DEF IN      1 02/07/94          0            0        4 |
  14 L 6-10    |              PRESS ESCAPE TO EXIT DISPLAY    1635      368 |4.44
  15 L 11->    |                                                            |
               +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1302501             SERVICE ADDRESS
 CUSTOMER NAME                        370     W. DUNNE AV               #2
 DOCTORS SMITH +---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/21/95       1323          17 N    29 |
 DR. YELLICH   |   1 DEF IN    1 01/23/95       1306          19 N    34 |
               |   1 DEF IN    1 12/20/94       1287          16 N    29 |
 7880     WREN |   1 DEF IN    1 11/21/94       1271          19 N    28 |
 GILROY CA     |   1 DEF IN    1 10/24/94       1252          10      28 |
 95020         |   1 DEF IN    1 09/26/94       1242           7      34 |
               |   1 DEF IN    1 08/23/94       1235           9      29 |LTY N
 PROPERTY ID   |   1 DEF IN    1 07/25/94       1226           8      35 |APE
 SOC SECURITY #|   1 DEF IN    1 06/20/94       1218           8      28 |
 CA DRIVERS LIC|   1 DEF IN    1 05/23/94       1210           8      28 |
 SERVICE       |   1 DEF IN    1 04/25/94       1202          13      34 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/22/94       1189           5      28 |79.75
   7 C  1-5    |   1 DEF IN    1 02/22/94       1184           3      29 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     142     393 |0.36
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf     basic    modes  10    18  COMMAND   file     HELP     EXIT
control    keys    config   keys     CN       LINE   transfer
                                   15:23      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1396700             SERVICE ADDRESS
 CUSTOMER NAME                        370     W. DUNNE AV-LAND
 EVERGREEN PARK+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/21/95       3091          16 N    29 |
 EVERGREEN PARK|   1 DEF IN    1 01/23/95       3075          18 N    34 |
               |   1 DEF IN    1 12/20/94       3057          17 N    29 |
 370      W. DU|   1 DEF IN    1 11/21/94       3040          14 N    28 |
 MORGAN HILL CA|   1 DEF IN    1 10/24/94       3026          15      28 |
 95037         |   1 DEF IN    1 09/26/94       3011          17      34 |
               |   1 DEF IN    1 08/23/94       2994          11      29 |LTY N
 PROPERTY ID   |   1 DEF IN    1 07/25/94       2983          10      35 |APE
 SOC SECURITY #|   1 DEF IN    1 06/20/94       2973          13      28 |
 CA DRIVERS LIC|   1 DEF IN    1 05/23/94       2960          10      28 |
 SERVICE       |   1 DEF IN    1 04/25/94       2950          11      34 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/22/94       2939           8      28 |30.15
  13 L 1-5     |   1 DEF IN    1 02/22/94       2931           7      29 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     167     393 |0.42
  15 L 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1396800           SERVICE ADDRESS
 CUSTOMER NAME                      370      W. DUNNE AV                 #3
 JON HATAKEYAMA+-----------------------------------------------------------+
               |  SERVICE    METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN      1 02/21/95        852              6 N     29  |
 JON HATAKEYAMA|   1 DEF IN      1 01/23/95        846              5 N     34  |
               |   1 DEF IN      1 12/20/94        841              4 N     29  |
 370      W. DU|   1 DEF IN      1 11/21/94        837              9 N     28  |
 MORGAN HILL CA|   1 DEF IN      1 10/24/94        828              6       28  |
 95037         |   1 DEF IN      1 09/26/94        822              6       34  |
               |   1 DEF IN      1 08/23/94        816              5       29  |LTY N
 PROPERTY ID   |   1 DEF IN      1 07/25/94        811              5       35  |APE
 SOC SECURITY #|   1 DEF IN      1 06/20/94        806              5       28  |
 CA DRIVERS LIC|   1 DEF IN      1 05/23/94        801              8       28  |
 SERVICE       |   1 DEF IN      1 04/25/94        793             23       34  |L DUE
   1 DEF IN    |   1 DEF IN      1 03/22/94        770              8       28  |48.4
   7 C  1-5    |   1 DEF IN      1 02/22/94        762              5       29  |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY          95      393  |0.24
   9 C 11->    |                                                               |
               +-----------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND   file      HELP      EXIT
control    keys    config    keys    CN        LINE   transfer
                                    15:23      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1396900           SERVICE ADDRESS
 CUSTOMER NAME                      370      W. DUNNE AV                 #7
 GABOR         +-----------------------------------------------------------+
 ERIKA E.      | `SERVICE    METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN      1 02/21/95        411              4 N     29  |
 GABOR         |   1 DEF IN      1 01/23/95        407              5 N     34  |
 ERIKA E.      |   1 DEF IN      1 12/20/94        402              6 N     29  |
 370      W. DU|   1 DEF IN      1 11/21/94        396              4 N     28  |
 MORGAN HILL CA|   1 DEF IN      1 10/24/94        392              5       28  |
 95037         |   1 DEF IN      1 09/26/94        387              4       34  |
               |   1 DEF IN      1 08/23/94        383              4       29  |LTY N
 PROPERTY ID   |   1 DEF IN      1 07/25/94        379              4       35  |APE
 SOC SECURITY #|   1 DEF IN      1 06/20/94        375              3       28  |
 CA DRIVERS LIC|   1 DEF IN      1 05/23/94        372              4       28  |
 SERVICE       |   1 DEF IN      1 04/25/94        368              5       34  |L DUE
   1 DEF IN    |   1 DEF IN      1 03/22/94        363              4       28  |40.70
   7 C  1-5    |   1 DEF IN      1 02/22/94        359              5       29  |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY          57      393  |0.15
   9 C 11->    |                                                               |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1397100            SERVICE ADDRESS
 CUSTOMER NAME                       370      W. DUNNE AV             #4
 EVERGREEN DENT+--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95          71        1 N     29 |
 EVERGREEN DENT|   1 DEF IN     1 01/23/95          70        1 N     34 |
               |   1 DEF IN     1 12/20/94          69        0 N     29 |
 370      W. DU|   1 DEF IN     1 11/21/94          69        1 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94          68        1       28 |
 95037         |   1 DEF IN     1 09/26/94          67        0       34 |
               |   1 DEF IN     1 08/23/94          67        1       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/25/94          66        0       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94          66        1       28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94          65        0       28 |
 SERVICE       |   1 DEF IN     1 04/25/94          65        1       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/22/94          64        0       28 |84.81
   7 C  1-5    |   1 DEF IN     1 02/22/94          64        1       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY     8      393 |0.02
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND  file     HELP    EXIT
control    keys    config    keys     CN       LINE  transfer
                                    15:24      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1399950            SERVICE ADDRESS
 CUSTOMER NAME                       370      W. DUNNE AV             #6
 HAWKE DDS     +--------------------------------------------------------+
 ROBERT H.     | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95         144        1 N     29 |
               |   1 DEF IN     1 01/23/95         143        1 N     34 |
               |   1 DEF IN     1 12/20/94         142        0 N     29 |
               |   1 DEF IN     1 11/21/94         142        1 N     28 |
               |   1 DEF IN     1 10/24/94         141        1       28 |
               |   1 DEF IN     1 09/26/94         140        0       34 |
               |   1 DEF IN     1 08/23/94         140        1       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/25/94         139        1       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94         138        1       28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94         137        0       28 |
 SERVICE       |   1 DEF IN     1 04/25/94         137        1       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/22/94         136        1       28 |29.15
   7 C  1-5    |   1 DEF IN     1 02/22/94         135        1       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY    10      393 |0.03
   9 C 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1201100           SERVICE ADDRESS
 CUSTOMER NAME                      16130   MEDICAL CTR DR
 PROPERTY MANAG+---------------------------------------------------------+
 GOOD SAM HEALT| SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95      9698            24 N    27 |
 HEALTH DIMENSI|  1 DEF IN     1 01/11/95      9674            29 N    36 |
               |  1 DEF IN     1 12/06/94      9645            19 N    25 |
 16130    MEDIC|  1 DEF IN     1 11/11/94      9626            35      29 |
               |  1 DEF IN     1 10/13/94      9591            42      36 |
               |  1 DEF IN     1 09/07/94      9549            23      27 |
               |  1 DEF IN     1 08/11/94      9526            31      34 |LTY Y
 PROPERTY ID   |  1 DEF IN     1 07/08/94      9495            26      28 |
 SOC SECURITY #|  1 DEF IN     1 06/10/94      9469            28      30 |
 CA DRIVERS LIC|  1 DEF IN     1 05/11/94      9441            35      34 |
 SERVICE       |  1 DEF IN     1 04/07/94      9406            30      28 |L DUF
   1 DEF IN    |  1 DEF IN     1 03/10/94      9376            29      28 | 0.0
   7 C  1-5    |  1 DEF IN     1 02/10/94      9347            32      28 |
   8 C 6-10    |         PRESS ESCAPE TO EXIT DISPLAY         383     390 |0.98
   9 C 11->    |                                                          |
               +---------------------------------------------------------+

 device     pf      basic     modes  10    18  COMMAND   file     HELP     EXIT
control    keys    config     keys    CN        LINE   transfer
                                      15:25     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1201200           SERVICE ADDRESS
 CUSTOMER NAME                      16130   MEDICAL CTR-GRNDS
 HEALTH DIMENSI+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95     20476             8 N    27 |
 HEALTH DIMENSI|  1 DEF IN     1 01/11/95     20468             6 N    36 |
               |  1 DEF IN     1 12/06/94     20462            23 N    25 |
 16130    MEDIC|  1 DEF IN     1 11/11/94     20439           142      29 |
               |  1 DEF IN     1 10/13/94     20297           178      36 |
               |  1 DEF IN     1 09/07/94     20119           197      27 |
               |  1 DEF IN     1 08/11/94     19922           267      34 |LTY Y
 PROPERTY ID   |  1 DEF IN     1 07/08/94     19655           175      28 |
 SOC SECURITY #|  1 DEF IN     1 06/10/94     19480           108      30 |
 CA DRIVERS LIC|  1 DEF IN     1 05/11/94     19372            57      34 |
 SERVICE       |  1 DEF IN     1 04/07/94     19315           318      28 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/10/94     18997            90      28 | 0.00
  13 L 1-5     |  1 DEF IN     1 02/10/94     18907            34      28 |
  14 L 6-10    |         PRESS ESCAPE TO EXIT DISPLAY        1603     390 |4.11
  15 L 11->    |                                                          |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1501300           SERVICE ADDRESS
 CUSTOMER NAME                      17705    HALE AV #B
 DAY - ANHDER   +-------------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 02/28/95      5551            21 N     28 |
 DAY - ANHDER   |  1 DEF IN     1 01/31/95      5530            26 N     28 |
                |  1 DEF IN     1 01/03/95      5504            28 N     36 |
 17705    B-HAL |  1 DEF IN     1 11/28/94      5476            17 N     28 |
 MORGAN HILL CA |  1 DEF IN     1 10/31/94      5459            13       21 |
 95037          |  1 DEF IN     1 10/10/94      5446            29       42 |
                |  1 DEF IN     1 08/29/94      5417            21       27 |LTY N
 PROPERTY ID    |  1 DEF IN     1 08/02/94      5396            24       35 |
 SOC SECURITY # |  1 DEF IN     1 06/28/94      5372            30       27 |
 CA DRIVERS LIC |  1 DEF IN     1 06/01/94      5342            18       29 |
 SERVICE        |  1 DEF IN     1 05/03/94      5324            22       35 |L DUE
   1 DEF IN     |  1 DEF IN     1 03/29/94      5302            17       27 |03.40
   7 C  1-5     |  1 DEF IN     1 03/02/94      5285            17       29 |
   8 C 6-10     |           PRESS ESCAPE TO EXIT DISPLAY       283      392 |0.72
   9 C 11->     |                                                         |
                +-------------------------------------------------------+

 device     pf     basic     modes  10    18   COMMAND   file      HELP     EXIT
control    keys    config    keys    CN        LINE    transfer
                                    15:26      CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1534903           SERVICE ADDRESS
 CUSTOMER NAME                      17705    HALE AV #A
 MC DONALD DDS  +-------------------------------------------------------+
 LAWRENCE J.    | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 02/28/95      2280             4 N     28 |
 MC DONALD DDS  |  1 DEF IN     1 01/31/95      2276             2 N     28 |
 LAWRENCE J.    |  1 DEF IN     1 01/03/95      2274             5 Y     36 |
 17705    HALE  |  1 DEF IN     1 11/28/94      2269             3 N     28 |
 MORGAN HILL, C |  1 DEF IN     1 10/31/94      2266             2       21 |
 95037          |  1 DEF IN     1 10/10/94      2264             6       42 |
                |  1 DEF IN     1 08/29/94      2258             4       27 |LTY N
 PROPERTY ID    |  1 DEF IN     1 08/02/94      2254             5       35 |
 SOC SECURITY # |  1 DEF IN     1 06/28/94      2249             3       27 |
 CA DRIVERS LIC |  1 DEF IN     1 06/01/94      2246             4       29 |
 SERVICE        |  1 DEF IN     1 05/03/94      2242             4       35 |L DUE
   1 DEF IN     |  1 DEF IN     1 03/29/94      2238             3       27 |22.70
   7 C  1-5     |  1 DEF IN     1 03/02/94      2235             4       29 |
   8 C 6-10     |           PRESS ESCAPE TO EXIT DISPLAY        49      392 |0.13
   9 C 11->     |                                                         |
                +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0804901           SERVICE ADDRESS
 CUSTOMER NAME                      90       E. SECOND ST
 SQUERI          +-------------------------------------------------------------+
 JOSEPH & ROBER| SERVICE   METER   DATE    READING    USED    ESTIMATE DAY    |
 OWNER NAME/ADD|   1 DEF IN      1 02/21/95       835          28 N      29   |
 SQUERI        |   1 DEF IN      1 01/23/95       807          39 N      35   |
 JOSEPH & ROBER|   1 DEF IN      1 12/19/94       768          22 N      28   |
 P.O.BOX       |   1 DEF IN      1 11/21/94       746          22 N      28   |
 MORGAN HILL CA|   1 DEF IN      1 10/24/94       724          21        28   |
 95038-1274    |   1 DEF IN      1 09/26/94       703          31        34   |
               |   1 DEF IN      1 08/23/94       672          66        28   | LTY IN
 PROPERTY ID   |   1 DEF IN      1 07/26/94       606          60        35   |
 SOC SECURITY #|   1 DEF IN      1 06/21/94       546          23        29   |
 CA DRIVERS LIC|   1 DEF IN      1 05/23/94       523          42 N      27   |
 SERVICE       |   1 DEF IN      1 04/26/94       481          31        36   | L DUE
   1 DEF IN    |   1 DEF IN      1 03/21/94       450          29        27   | 39.70
   3 IN  1-5   |   1 DEF IN      1 02/22/94       421          39        28   |   (
   4 IN 6-10   |             PRESS ESCAPE TO EXIT DISPLAY     453       392   | 1.16
   5 I 11-30   |                                                              |
               +-------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501600             SERVICE ADDRESS
 CUSTOMER NAME                        220      TENNANT STATION
 LAUNDERLAND CO+----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95     38278          218 N     27 |
 LAUNDERLAND CO|   1 DEF IN     1 01/11/95     38060          294 N     36 |
               |   1 DEF IN     1 12/06/94     37766          210 N     25 |
 220      TENNA|   1 DEF IN     1 11/11/94     37556          246       29 |
               |   1 DEF IN     1 10/13/94     37310          301       36 |
               |   1 DEF IN     1 09/07/94     37009          221       27 |
               |   1 DEF IN     1 08/11/94     36788          281       34 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/08/94     36507          229       28 |APE
 SOC SECURITY #|   1 DEF IN     1 06/10/94     36278          240       30 |
 CA DRIVERS LIC|   1 DEF IN     1 05/11/94     36038          278       34 |
 SERVICE       |   1 DEF IN     1 04/07/94     35760          216       28 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/10/94     35544          226       28 | 0.00
   7 C  1-5    |   1 DEF IN     1 02/10/94     35318          225       28 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY      3185      390 |8.17
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1703500             SERVICE ADDRESS
 CUSTOMER NAME                        1505     E. MAIN AV
 LIVE OAK HIGH +-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED     ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95     21075            262 N     27  |
 LIVE OAK HIGH |   1 DEF IN     1 01/11/95     20813            260 N     35  |
               |   1 DEF IN     1 12/07/94     20553            265 N     28  |
 1505     E. MA|   1 DEF IN     1 11/09/94     20288            426       26  |
               |   1 DEF IN     1 10/14/94     19862            699       36  |
               |   1 DEF IN     1 09/08/94     19163            419       29  |
               |   1 DEF IN     1 08/10/94     18744            320       34  |LTY
 PROPERTY ID   |   1 DEF IN     1 07/07/94     18424            370       28  |
 SOC SECURITY #|   1 DEF IN     1 06/09/94     18054            597       28  |
 CA DRIVERS LIC|   1 DEF IN     1 05/12/94     17457            408       36  |
 SERVICE       |   1 DEF IN     1 04/06/94     17049            304       28  |L DUE
   1 DEF IN    |   1 DEF IN     1 03/09/94     16745            250       28  | 0.00
   7 C  1-5    |   1 DEF IN     1 02/09/94     16495            287       28  |
   8 C  6-10   |              PRESS ESCAPE TO EXIT DISPLAY     4867       391 |12.4
   9 C  11->   |                                                              |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0716201              SERVICE ADDRESS
 CUSTOMER NAME                         16955    MONTEREY ST
 LUCKY STORE #3+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95       2227          57 N      29 |
 LUCKY STORE #2|   1 DEF IN     1 01/23/95       2170          64 N      35 |
               |   1 DEF IN     1 12/19/94       2106          51 N      28 |
 P.O.BOX       |   1 DEF IN     1 11/21/94       2055          56 N      28 |
 SAN LEANDRO, C|   1 DEF IN     1 10/24/94       1999          80        28 |
 94577         |   1 DEF IN     1 09/26/94       1919          96        34 |
               |   1 DEF IN     1 08/23/94       1823          74        28 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94       1749          87        36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94       1662          70        28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94       1592          66        28 |
 SERVICE       |   1 DEF IN     1 04/25/94       1526          77        35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94       1449          64        27 |90.90
   7 C  1-5    |   1 DEF IN     1 02/22/94       1385          57        29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY     899       393 |2.29
   9 C 11->    |                                                            |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723100              SERVICE ADDRESS
 CUSTOMER NAME                         201      VINEYARD TOWN CTR WY
 JAMES C. HENLE+------------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95      9117          52 N      29 |
 MCDONALD'S    |   1 DEF IN     1 01/23/95      9065          88 N      35 |
               |   1 DEF IN     1 12/19/94      8977          41 N      28 |
 201     VINEY |   1 DEF IN     1 11/21/94      8936          50 N      28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94      8886          66        28 |
 95037         |   1 DEF IN     1 09/26/94      8820          98        34 |
               |   1 DEF IN     1 08/23/94      8722          86        28 |LTY
 PROPERTY ID   |   1 DEF IN     1 07/26/94      8636         111        36 |
 SOC SECURITY #|   1 DEF IN     1 06/20/94      8525          80        28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94      8445          81        28 |
 SERVICE       |   1 DEF IN     1 04/25/94      8364         105        35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94      8259          76        27 |55.4
   7 C  1-5    |   1 DEF IN     1 02/22/94      8183          75        28 |
   8 C  6-10   |              PRESS ESCAPE TO EXIT DISPLAY  1009       392 |2.57
   9 C  11->   |                                                           |
               +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3103300               SERVICE ADDRESS
 CUSTOMER NAME                          135      COCHRANE PLAZA
 MCDONALDS      +----------------------------------------------------------+
                | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN    1 02/07/95      7339           103 N     27 |
 MCDONALDS      |  1 DEF IN    1 01/11/95      7236           151 N     35 |
                |  1 DEF IN    1 12/07/94      7085           116 N     27 |
 135      COCHR |  1 DEF IN    1 11/10/94      6969           115       27 |
                |  1 DEF IN    1 10/14/94      6854           193       36 |
                |  1 DEF IN    1 09/08/94      6661           202       29 |
                |  1 DEF IN    1 08/10/94      6459           238       34 |LTY N
 PROPERTY ID    |  1 DEF IN    1 07/07/94      6221           171       28 |
 SOC SECURITY # |  1 DEF IN    1 06/09/94      6050           164       28 |
 CA DRIVERS LIC |  1 DEF IN    1 05/12/94      5886           198       36 |
 SERVICE        |  1 DEF IN    1 04/06/94      5688           156       28 |L DUE
   1 DEF IN     |  1 DEF IN    1 03/09/94      5532           141       28 | 0.00
   7 C  1-5     |  1 DEF IN    1 02/09/94      5391           132       28 |
   8 C 6-10     |            PRESS ESCAPE TO EXIT DISPLAY    2080       391 | 5.32
   9 C 11->     |                                                          |
                +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3103101           SERVICE ADDRESS
 CUSTOMER NAME                      18599   SUTTER BLVD-LANDSCAPE
 MARIE CALLENDE+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95        6402            1 N     27 |
 MARIE CALLENDE|  1 DEF IN     1 01/11/95        6401           49 N     35 |
               |  1 DEF IN     1 12/07/94        6352           88 N     27 |
 18599    SUTTE|  1 DEF IN     1 11/10/94        6264          151       27 |
               |  1 DEF IN     1 10/14/94        6113          264       36 |
               |  1 DEF IN     1 09/08/94        5849          182       29 |
               |  1 DEF IN     1 08/10/94        5667          241       34 | LTY N
 PROPERTY ID   |  1 DEF IN     1 07/07/94        5426          173       28 |
 SOC SECURITY #|  1 DEF IN     1 06/09/94        5253           85       28 |
 CA DRIVERS LIC|  1 DEF IN     1 05/12/94        5168          210       36 |
 SERVICE       |  1 DEF IN     1 04/06/94        4958          160       28 | L DUE
   1 DEF IN    |  1 DEF IN     1 03/09/94        4798            7       28 |  0.0
  13 L 1-5     |  1 DEF IN     1 02/09/94        4791           22       28 |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY 1633          391  | 4.18
  15 L 11->    |                                                           |
               +-----------------------------------------------------------+

 device     pf      basic     modes  10    18  COMMAND   file     HELP      EXIT
control    keys    config    keys     CN      LINE   transfer
                                    15:30     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5107801           SERVICE ADDRESS
 CUSTOMER NAME                      18599   SUTTER BLVD
 MARIE CALLENDE+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95        9116          132 N     27 |
 MARIE CALLENDE|  1 DEF IN     1 01/11/95        8984          172 N     35 |
               |  1 DEF IN     1 12/07/94        8812          139 N     27 |
 18599    SUTTE|  1 DEF IN     1 11/10/94        8673          135       27 |
               |  1 DEF IN     1 10/14/94        8538          181       36 |
               |  1 DEF IN     1 09/08/94        8357          163       29 |
               |  1 DEF IN     1 08/10/94        8194          214       34 | LTY N
 PROPERTY ID   |  1 DEF IN     1 07/07/94        7980          167       28 |
 SOC SECURITY #|  1 DEF IN     1 06/09/94        7813          163       28 |
 CA DRIVERS LIC|  1 DEF IN     1 05/12/94        7650          199       36 |
 SERVICE       |  1 DEF IN     1 04/06/94        7451          155       28 | L DUE
   1 DEF IN    |  1 DEF IN     1 03/09/94        7296          161       28 |  0.00
   7 C  1-5    |  1 DEF IN     1 02/09/94        7135          144       28 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY 2125          391  | 5.43
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723500             SERVICE ADDRESS
 CUSTOMER NAME                        16225    MONTEREY ST                LAND
 MH CAR WASH     +------------------------------------------------------------+
                 | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD  |  1 DEF IN     1 02/21/95      5228              0 N     29  |
 MH CAR WASH     |  1 DEF IN     1 01/23/95      5228              0 N     35  |
                 |  1 DEF IN     1 12/19/94      5228              1 N     28  |
 16225    MONTE  |  1 DEF IN     1 11/21/94      5227             24 N     28  |
 MORGAN HILL CA  |  1 DEF IN     1 10/24/94      5203              5       28  |
 95037           |  1 DEF IN     1 09/26/94      5198            112       34  |
                 |  1 DEF IN     1 08/23/94      5086             73       28  | LTY N
 PROPERTY ID     |  1 DEF IN     1 07/26/94      5013             78       36  |
 SOC SECURITY #  |  1 DEF IN     1 06/20/94      4935             66       28  |
 CA DRIVERS LIC  |  1 DEF IN     1 05/23/94      4869             62       28  |
 SERVICE         |  1 DEF IN     1 04/25/94      4807             76       35  | L DUE
   1 DEF IN      |  1 DEF IN     1 03/21/94      4731              0       27  | 13.10
  13 L 1-5       |  1 DEF IN     1 02/22/94      4731              0       28  |
  14 L 6-10      |            PRESS ESCAPE TO EXIT DISPLAY       497      392  | 1.27
  15 L 11->      |                                                            |
                 +------------------------------------------------------------+

 device     pf     basic    modes  10    18  COMMAND   file     HELP     EXIT
control    keys    config   keys    CN       LINE    transfer
                                    15:35    CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0724000             SERVICE ADDRESS
 CUSTOMER NAME                        16225    MONTEREY ST                BLDG
 MH CAR WASH     +------------------------------------------------------------+
                 | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD  |  1 DEF IN     1 02/21/95     36133            281 N     29  |
 MH CAR WASH     |  1 DEF IN     1 01/23/95     35852            133 N     35  |
                 |  1 DEF IN     1 12/19/94     35719            147 N     28  |
 16225    MONTE  |  1 DEF IN     1 11/21/94     35572            130 N     28  |
 MORGAN HILL CA  |  1 DEF IN     1 10/24/94     35442            179       28  |
 95037           |  1 DEF IN     1 09/26/94     35263            241       34  |
                 |  1 DEF IN     1 08/23/94     35022            205       28  | LTY N
 PROPERTY ID     |  1 DEF IN     1 07/26/94     34817            259       36  |
 SOC SECURITY #  |  1 DEF IN     1 06/20/94     34558            255       28  |
 CA DRIVERS LIC  |  1 DEF IN     1 05/23/94     34303            142       28  |
 SERVICE         |  1 DEF IN     1 04/25/94     34161            197       35  | L DUE
   1 DEF IN      |  1 DEF IN     1 03/21/94     33964            319       27  | 44.20
   7 C  1-5      |  1 DEF IN     1 02/22/94     33645            247       28  |
   8 C  6-10     |            PRESS ESCAPE TO EXIT DISPLAY      2735      392  | 6.98
   9 C  11->     |                                                            |
                 +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0724500              SERVICE ADDRESS
 CUSTOMER NAME                                  VINEYARD TOWN CENTER
 KENT FAMILY TR+-----------------------------------------------------------+
               | SERVICE    METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95       1028              8 N     29 |
 KENT FAMILY TR|   1 DEF IN     1 01/23/95       1020              8 N     35 |
               |   1 DEF IN     1 12/19/94       1012              6 N     28 |
 O'HENRY'      |   1 DEF IN     1 11/21/94       1006              7 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94        999              6       28 |
 95037         |   1 DEF IN     1 09/26/94        993              8       34 |
 15335 CALLE EN|   1 DEF IN     1 08/23/94        985              7       28 |LTY
 PROPERTY ID   |   1 DEF IN     1 07/26/94        978             10       36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94        968              6       28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94        962              7       28 |
 SERVICE       |   1 DEF IN     1 04/25/94        955             11       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94        944              7       27 |83.30
   7 C  1-5    |   1 DEF IN     1 02/22/94        937              6       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY        97      392 |0.25
   9 C 11->    |                                                              |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0715906              SERVICE ADDRESS
 CUSTOMER NAME                         16915    MONTEREY ST
 PINK ELEPHANT +-----------------------------------------------------------+
               |SERVICE   METER   DATE   READING     USED    ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN    1 02/21/95          45           4 N     29  |
 PINK ELEPHANT |  1 DEF IN    1 01/23/95          41           8 N     35  |
               |  1 DEF IN    1 12/19/94          33           6 N     28  |
 16915    MONTE|  1 DEF IN    1 11/21/94          27           5 N     28  |
               |  1 DEF IN    1 10/24/94          22           5       28  |
               |  1 DEF IN    1 09/26/94          17           6       35  |
               |  1 DEF IN    1 08/22/94          11           5       27  |LTY N
 PROPERTY ID   |  1 DEF IN    1 07/26/94           6          71       36  |
 SOC SECURITY #|  1 DEF IN    1 06/20/94        2578          64       28  |
 CA DRIVERS LIC|  1 DEF IN    1 05/23/94        2514          77       28  |
 SERVICE       |  1 DEF IN    1 04/25/94        2437          71       35  |L DUE
   1 DEF IN    |  1 DEF IN    1 03/21/94        2366          51       27  |46.50
   7 C  1-5    |  1 DEF IN    1 02/22/94        2315          51       29  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     424      393  |1.08
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0170201            SERVICE ADDRESS
 CUSTOMER NAME                       840      E. DUNNE AV
 SAFEWAY STORE +--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/06/95       4647          363 N     28 |
 SAFEWAY STORE |   1 DEF IN    1 01/09/95       4284          478 N     35 |
               |   1 DEF IN    1 12/05/94       3806          355 N     27 |
 840      E. DU|   1 DEF IN    1 11/08/94       3451          377       27 |
               |   1 DEF IN    1 10/12/94       3074          517       36 |
               |   1 DEF IN    1 09/06/94       2557          398       29 |
               |   1 DEF IN    1 08/08/94       2159          474       33 |LTY N
 PROPERTY ID   |   1 DEF IN    1 07/06/94       1685          376       29 |
 SOC SECURITY #|   1 DEF IN    1 06/07/94       1309          354       28 |571
 CA DRIVERS LIC|   1 DEF IN    1 05/10/94        955           75        6 |
 SERVICE       |   1 DEF IN    1 05/04/94        880            0 N      0 |L DUE
   1 DEF IN    |   1 DEF IN    1 05/04/94        880            0 N      0 |60.24
   7 C  1-5    |                                        ______     ______
   8 C  6-10   |           PRESS ESCAPE TO EXIT DISPLAY 3767        278   |13.55
   9 C 11->    |                                                          |
               +--------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503301              SERVICE ADDRESS
 CUSTOMER NAME                         15900    MONTEREY ST
 SIZZLER STEAK +-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95       14718              70 N     27 |
 SIZZLER STEAK |   1 DEF IN     1 01/11/95       14648              89 N     36 |
               |   1 DEF IN     1 12/06/94       14559              65       25 |
 15900    MONTE|   1 DEF IN     1 11/11/94       14494               0 N      0 |
               |   1 DEF IN     1 11/11/94       14494               0 N      0 | 2.55
               |                                                  224       88 |LTY N
 PROPERTY ID   |
 SOC SECURITY #|
 CA DRIVERS LIC|
 SERVICE       |                                                               |L DUE
   1 DEF IN    |                                                               |02.00
   7 C  1-5    |
   8 C 6-10    |         PRESS ESCAPE TO EXIT DISPLAY
   9 C 11->    |
               +-----------------------------------------------------------+

 device    pf     basic     modes  10    18  COMMAND   file     HELP     EXIT
control   keys    config    keys     CN       LINE   transfer
                                   15:37      CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503300              SERVICE ADDRESS
 CUSTOMER NAME                         15900    MONTEREY ST
 SIZZLER STEAK +-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 11/11/94       14494               0 N      0 |
 SIZZLER STEAK |   1 DEF IN     1 11/11/94       14494              84       29 |
               |   1 DEF IN     1 10/13/94       14410              97       36 |
 15900    MONTE|   1 DEF IN     1 09/07/94       14313              83       27 |
               |   1 DEF IN     1 08/11/94       14230             108       34 |
               |   1 DEF IN     1 07/08/94       14122              85       28 |
               |   1 DEF IN     1 06/10/94       14037              99       30 |LTY N
 PROPERTY ID   |   1 DEF IN     1 05/11/94       13938             113       34 |
 SOC SECURITY #|   1 DEF IN     1 04/07/94       13825              94       28 |
 CA DRIVERS LIC|   1 DEF IN     1 03/10/94       13731              92       28 |
 SERVICE       |   1 DEF IN     1 02/10/94       13639              90       28 |L DUE
   1 DEF IN    |   1 DEF IN     1 01/13/94       13549              97       35 | 0.00
   7 C  1-5    |   1 DEF IN     1 12/09/93       13452              78       28 |
   8 C 6-10    |         PRESS ESCAPE TO EXIT DISPLAY            1120      365 | 3.07
   9 C 11->    |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY METER RECORDS

 CUSTOMER NUMBER  5402700              SERVICE ADDRESS
 CUSTOMER NAME                         18500   ST LOUISE DR             HOSPITA
 ST. LOUISE HOS+-----------------------------------------------------------+
               |SERVICE   METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95      17063            0 N     27  |
 ST. LOUISE HOS|  1 DEF IN     1 01/11/95      17063          270 N     35  |
               |  1 DEF IN     1 12/07/94      16793          196 N     27  |
 18500    ST LO|  1 DEF IN     1 11/10/94      16597          200       27  |
               |  1 DEF IN     1 10/14/94      16397          333       36  |
               |  1 DEF IN     1 09/08/94      16064          238       29  |
               |  1 DEF IN     1 08/10/94      15826          223       34  |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/07/94      15603          200       28  |APE
 SOC SECURITY #|  1 DEF IN     1 06/09/94      15403          185       28  |
 CA DRIVERS LIC|  1 DEF IN     1 05/12/94      15218          263       36  |
 SERVICE       |  1 DEF IN     1 04/06/94      14955          225       28  |L DUE
   1 DEF IN    |  1 DEF IN     1 03/09/94      14730          188       27  |07.74
   7 C  1-5    |  1 DEF IN     1 02/10/94      14542          168       29  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     2689       391  |6.88
   9 C 11->    |                                                            |
               +-----------------------------------------------------------+

 device     pf      basic      modes  10    18  COMMAND   file      HELP      EXIT
control    keys     config     keys     CN      LINE    transfer
                                      15:42     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5402800              SERVICE ADDRESS
 CUSTOMER NAME                         18550   ST LOUISE DR-DR. OFFICE
 ST. LOUISE HOS+-----------------------------------------------------------+
               |SERVICE   METER   DATE    READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN     1 02/07/95       1962           38 N     27  |
 ST. LOUISE HOS|  1 DEF IN     1 01/11/95       1924           42 N     35  |
               |  1 DEF IN     1 12/07/94       1882           45       27  |
 18550    ST LO|  1 DEF IN     1 11/10/94       1837           27       27  |
               |  1 DEF IN     1 10/14/94       1810           36       36  |
               |  1 DEF IN     1 09/08/94       1774           24       29  |
               |  1 DEF IN     1 08/10/94       1750           31       34  |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/07/94       1719           26       28  |APE
 SOC SECURITY #|  1 DEF IN     1 06/09/94       1693           26       28  |
 CA DRIVERS LIC|  1 DEF IN     1 05/12/94       1667           36       36  |
 SERVICE       |  1 DEF IN     1 04/06/94       1631           29       28  |L DUE
   1 DEF IN    |  1 DEF IN     1 03/09/94       1602           26       28  |05.02
   7 C  1-5    |  1 DEF IN     1 02/09/94       1576           28       28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      414       391  |1.06
   9 C 11->    |                                                            |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5402900            SERVICE ADDRESS
 CUSTOMER NAME                       18500   ST LOUISE DR-LANDSCAPE 3
 ST. LOUISE HOS+---------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/11/93     20474             0     28 |
 ST. LOUISE HOS|   1 DEF IN     1 02/11/93     20474             0     28 |
               |   1 DEF IN     1 01/14/93     20474             0     36 |
 18500    ST LO|   1 DEF IN     1 12/09/92     20474             2     27 |
               |   1 DEF IN     1 11/12/92     20472           612     36 |
               |   1 DEF IN     1 10/07/92     19860           632 N   28 |
               |   1 DEF IN     1 09/09/92     19228             0      0 |LTY N
 PROPERTY ID   |                                             1246    183  |6.81
 SOC SECURITY #|                                                          |
 CA DRIVERS LIC|                                                          |
 SERVICE       |                                                          |L DUE
   1 DEF IN    |                                                          | 0.00
  13 L 1-5     |                                                          |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                   |
  15 L 11->    |                                                          |
               +---------------------------------------------------------+

 device    pf     basic    modes  10    18  COMMAND   file     HELP     EXIT
control   keys    config   keys    CN       LINE    transfer
                                  15:48     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5403000            SERVICE ADDRESS
 CUSTOMER NAME                       18500   ST LOUISE DR-LANDSCAPE 2
 ST. LOUISE HOS+---------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/11/93      4130             0     28 |
 ST. LOUISE HOS|   1 DEF IN     1 02/11/93      4130             0     28 |
               |   1 DEF IN     1 01/14/93      4130             0     36 |
 18500    ST LO|   1 DEF IN     1 12/09/92      4130             1     27 |
               |   1 DEF IN     1 11/12/92      4129           292     36 |
               |   1 DEF IN     1 10/07/92      3837           180 N   28 |
               |   1 DEF IN     1 09/09/92      3657             0      0 |LTY N
 PROPERTY ID   |                                              473    183  |2.58
 SOC SECURITY #|                                                          |
 CA DRIVERS LIC|                                                          |
 SERVICE       |                                                          |L DUE
   1 DEF IN    |                                                          | 0.00
  13 L 1-5     |                                                          |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                   |
  15 L 11->    |                                                          |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5403100              SERVICE ADDRESS
 CUSTOMER NAME                         18500    ST LOUISE DR-LANDSCAPE 1
 ST. LOUISE HOS+----------------------------------------------------------+
               | SERVICE   METER   DATE     READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/11/93      20344              0      28 |
 ST. LOUISE HOS|   1 DEF IN     1 02/11/93      20344              0      28 |
               |   1 DEF IN     1 01/14/93      20344              0      36 |
 18500    ST LO|   1 DEF IN     1 12/09/92      20344              5      27 |
               |   1 DEF IN     1 11/12/92      20339            792      36 |
               |   1 DEF IN     1 10/07/92      19547            792 N    28 |
               |   1 DEF IN     1 09/09/92      18755              0       0 |LTY N
 PROPERTY ID   |                                               1589     183  |
 SOC SECURITY #|                                                             |8.68
 CA DRIVERS LIC|                                                             |
 SERVICE       |                                                             |L DUE
   1 DEF IN    |                                                             | 0.0
  13 L 1-5     |                                                             |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                    |
  15 L 11->    |                                                             |
               +-------------------------------------------------------------+

 device     pf     basic     modes  10     18  COMMAND   file      HELP      EXIT
control    keys    config    keys     CN       LINE    transfer
                                     15:48     CAPS
```

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5403900              SERVICE ADDRESS
 CUSTOMER NAME                         18560    ST. LOUISE DR
 ST. LOUISE HOS+----------------------------------------------------------+
               | SERVICE   METER   DATE     READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/07/95        310              1 N    27 |
 ST. LOUISE HOS|   1 DEF IN     1 01/11/95        309              1 N    35 |
               |   1 DEF IN     1 12/07/94        308              4 N    27 |
 18560    ST. L|   1 DEF IN     1 11/10/94        304              7      27 |
               |   1 DEF IN     1 10/14/94        297             11      36 |
               |   1 DEF IN     1 09/08/94        286             16      29 |
               |   1 DEF IN     1 08/10/94        270             11      34 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/07/94        259             11      28 |APE
 SOC SECURITY #|   1 DEF IN     1 06/09/94        248              9      28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/12/94        239             10      36 |
 SERVICE       |   1 DEF IN     1 04/06/94        229              9      28 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/09/94        220              9      28 | 8.75
   7 C  1-5    |   1 DEF IN     1 02/09/94        211              9      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     108        391  |0.28
   9 C 11->    |                                                             |
               +-------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0716005              SERVICE ADDRESS
 CUSTOMER NAME                         16905    MONTEREY ST
 TEDDY BEAR FLU+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95      1618         207 N    29 |
 TEDDY BEAR FLU|   1 DEF IN     1 01/23/95      1411         240 N    35 |
               |   1 DEF IN     1 12/19/94      1171         181 N    28 |
 #7            |   1 DEF IN     1 11/21/94       990         203 N    28 |
 SAN JOSE, CA  |   1 DEF IN     1 10/24/94       787         199      28 |
 95112         |   1 DEF IN     1 09/26/94       588         235      35 |
 384 E. WILLIAM|   1 DEF IN     1 08/22/94       353         170      27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94       183         223      36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94     16144         184      28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94     15960         187      28 |
 SERVICE       |   1 DEF IN     1 04/25/94     15773         230      35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94     15543         170      27 |21.88
   7 C  1-5    |   1 DEF IN     1 02/22/94     15373         184      29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY   2613      393  |6.65
   9 C 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2500501           SERVICE ADDRESS
 CUSTOMER NAME                      225      TENNANT AVE
 HOUSE OF FABRI+--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1                 0           0         0 |
 HOUSE OF FABRI|   1 DEF IN    1 02/07/95     3483           2 N      27 |
               |   1 DEF IN    1 01/11/95     3481           2 N      36 |
 225      TENNA|   1 DEF IN    1 12/06/94     3479           1 N      25 |
               |   1 DEF IN    1 11/11/94     3478           2        29 |
               |   1 DEF IN    1 10/13/94     3476           2        36 |
               |   1 DEF IN    1 09/07/94     3474           2        27 |LTY N
 PROPERTY ID   |   1 DEF IN    1 08/11/94     3472           1        34 |
 SOC SECURITY #|   1 DEF IN    1 07/08/94     3471           2        28 |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94     3469           2        30 |
 SERVICE       |   1 DEF IN    1 05/11/94     3467           2        34 |L DUF
   1 DEF IN    |   1 DEF IN    1 04/07/94     3465           1        28 | 0.0
   7 C  1-5    |   1 DEF IN    1 03/10/94     3464           2        28 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY     21       362 |0.06
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf     basic     modes  139   18  COMMAND   file     HELP     EXIT
control     keys   config    keys    CN        LINE   transfer
                                    12:31      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2500603           SERVICE ADDRESS
 CUSTOMER NAME                      235      TENNANT STATION
 SO VALLEY CIVI+--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 03/06/95     1446           7 N      27 |
 SO VALLEY CIVI|   1 DEF IN    1 02/07/95     1439           3 N      27 |
               |   1 DEF IN    1 01/11/95     1436           3 N      36 |
 235      TENNA|   1 DEF IN    1 12/06/94     1433           3 N      25 |
               |   1 DEF IN    1 11/11/94     1430           4        29 |
               |   1 DEF IN    1 10/13/94     1426           5        36 |
               |   1 DEF IN    1 09/07/94     1421           3        27 |LTY N
 PROPERTY ID   |   1 DEF IN    1 08/11/94     1418           8        34 |
 SOC SECURITY #|   1 DEF IN    1 07/08/94     1410           4        28 |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94     1406           4        30 |
 SERVICE       |   1 DEF IN    1 05/11/94     1402           4        34 |L DUE
   1 DEF IN    |   1 DEF IN    1 04/07/94     1398           3        28 |41.45
   3 IN  1-5   |   1 DEF IN    1 03/10/94     1395           4        28 |
   4 IN 6-10   |           PRESS ESCAPE TO EXIT DISPLAY     55       389 |0.14
   5 I 11-30   |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2500702           SERVICE ADDRESS
 CUSTOMER NAME                               TENNANT STA BLD B-1
 METROPOLITAN L+---------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95        917           19 N     27 |
 METROPOLITAN L|   1 DEF IN     1 02/07/95        898           20 N     27 |
               |   1 DEF IN     1 01/11/95        878           24 N     36 |
          TENNA|   1 DEF IN     1 12/06/94        854           16 N     25 |
 MORGAN HILL CA|   1 DEF IN     1 11/11/94        838           20       29 |
 95037         |   1 DEF IN     1 10/13/94        818           25       36 |
               |   1 DEF IN     1 09/07/94        793           14       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94        779           19       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94        760           14       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94        746           14       30 |
 SERVICE       |   1 DEF IN     1 05/11/94        732           17       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94        715           14       28 |00.30
   7 C  1-5    |   1 DEF IN     1 03/10/94        701           12       28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY       228      389 |0.59
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+

 device     pf     basic     modes  139   18  COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE   transfer
                                    12:31      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2500802           SERVICE ADDRESS
 CUSTOMER NAME                               TENNANT STA BLD B-2
 METROPLITAN LI+---------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95          1           62 N     27 |
 METROPLITAN LI|   1 DEF IN     1 02/07/95       9939           48 N     27 |
               |   1 DEF IN     1 01/11/95       9891           60 N     36 |
          TENNA|   1 DEF IN     1 12/06/94       9831           41 N     25 |
               |   1 DEF IN     1 11/11/94       9790           57       29 |
               |   1 DEF IN     1 10/13/94       9733           74       36 |
               |   1 DEF IN     1 09/07/94       9659           51       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94       9608           67       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94       9541           71       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94       9470           69       30 |
 SERVICE       |   1 DEF IN     1 05/11/94       9401           68       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94       9333           53       28 |68.30
   7 C  1-5    |   1 DEF IN     1 03/10/94       9280           51       28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY       772      389 |1.98
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2500902            SERVICE ADDRESS
 CUSTOMER NAME                                TENNANT STA BLD C-D
 METROPOLTIAN L+-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       1886              30 N    27 |
 METROPOLTIAN L|  1 DEF IN     1 02/07/95       1856              30 N    27 |
               |  1 DEF IN     1 01/11/95       1826              37 N    36 |
         TENNA |  1 DEF IN     1 12/06/94       1789              27 N    25 |
               |  1 DEF IN     1 11/11/94       1762              30      29 |
               |  1 DEF IN     1 10/13/94       1732              37      36 |
               |  1 DEF IN     1 09/07/94       1695              27      27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94       1668              30      34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94       1638              25      28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94       1613              26      30 |
 SERVICE       |  1 DEF IN     1 05/11/94       1587              36      34 |L DUF
   1 DEF IN    |  1 DEF IN     1 04/07/94       1551              37      28 |76.5
   7 C  1-5    |  1 DEF IN     1 03/10/94       1514              36      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY         408     389 |1.05
   9 C 11->    |                                                             |
               +-------------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND  file     HELP     EXIT
control    keys    config    keys    CN        LINE   transfer
                                    12:33      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501002            SERVICE ADDRESS
 CUSTOMER NAME                                TENNANT STA BLD E
 METROPOLITAN L+-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       1928               4 N    27 |
 METROPOLITAN L|  1 DEF IN     1 02/07/95       1924               4 N    27 |
               |  1 DEF IN     1 01/11/95       1920               3 N    36 |
         TENNA |  1 DEF IN     1 12/06/94       1917               3 N    25 |
               |  1 DEF IN     1 11/11/94       1914              13      29 |
               |  1 DEF IN     1 10/13/94       1901               4      36 |
               |  1 DEF IN     1 09/07/94       1897               3      27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94       1894               3      34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94       1891               3      28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94       1888               4      30 |
 SERVICE       |  1 DEF IN     1 05/11/94       1884              10      34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94       1874               5      28 |28.50
   7 C  1-5    |  1 DEF IN     1 03/10/94       1869              12      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY          71     389 |0.18
   9 C 11->    |                                                             |
               +-------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501100           SERVICE ADDRESS
 CUSTOMER NAME                      212     TENNANT STATION
 SAFEWAY STORES+--------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 11/15/94      14511            0 N     4 |
 SAFEWAY STORES|  1 DEF IN     1 11/11/94      14511            0      29 |
               |  1 DEF IN     1 10/13/94      14511            1      36 |
 212      TENNA|  1 DEF IN     1 09/07/94      14510            0      27 |
               |  1 DEF IN     1 08/11/94      14510            0      34 |
               |  1 DEF IN     1 07/08/94      14541           31      28 |
               |  1 DEF IN     1 06/10/94      14510            1      30 |LTY N
 PROPERTY ID   |  1 DEF IN     1 05/11/94      14509            3      34 |
 SOC SECURITY #|  1 DEF IN     1 04/07/94      14506           67      28 |
 CA DRIVERS LIC|  1 DEF IN     1 03/10/94      14439          233      28 |
 SERVICE       |  1 DEF IN     1 02/10/94      14206          195      28 |L DUE
   1 DEF IN    |  1 DEF IN     1 01/13/94      14011          254      35 | 0.00
   7 C  1-5    |  1 DEF IN     1 12/09/93      13757          176      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      961     369 |2.60
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device     pf     basic     modes  141   18   COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE    transfer
                                    12:34      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501201           SERVICE ADDRESS
 CUSTOMER NAME                      301     TENNANT AV
 LONGS'S DRUG S+--------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       3720            1 N    27 |
 LONGS'S DRUG S|  1 DEF IN     1 02/07/95       3719            0 N    27 |
               |  1 DEF IN     1 01/11/95       3719            1 N    36 |
 301      TENNA|  1 DEF IN     1 12/06/94       3718            1 N    25 |
               |  1 DEF IN     1 11/11/94       3717            0      29 |
               |  1 DEF IN     1 10/13/94       3717            1      36 |
               |  1 DEF IN     1 09/07/94       3716            1      27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94       3715            6      34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94       3709           14      28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94       3695           17      30 |
 SERVICE       |  1 DEF IN     1 05/11/94       3678           20      34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94       3658           15      28 | 0.00
   7 C  1-5    |  1 DEF IN     1 03/10/94       3643           19      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY       96     389 |0.25
   9 C 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501300              SERVICE ADDRESS
 CUSTOMER NAME                         266      TENNANT STATION
 BANK OF THE WE+----------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 03/06/95        908            20 N     27 |
 BANK OF THE WE|   1 DEF IN    1 02/07/95        888            10 N     27 |
               |   1 DEF IN    1 01/11/95        878             6 N     36 |
 266      TENNA|   1 DEF IN    1 12/06/94        872             3 N     25 |
               |   1 DEF IN    1 11/11/94        869             6       29 |
               |   1 DEF IN    1 10/13/94        863            19       36 |
               |   1 DEF IN    1 09/07/94        844            18       27 |LTY I
 PROPERTY ID   |   1 DEF IN    1 08/11/94        826             6       34 |APE
 SOC SECURITY #|   1 DEF IN    1 07/08/94        820             5       28 |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94        815             2       30 |
 SERVICE       |   1 DEF IN    1 05/11/94        813            12       34 |L DUF
   1 DEF IN    |   1 DEF IN    1 04/07/94        801             0       28 | 0.0
   7 C  1-5    |   1 DEF IN    1 03/10/94        801            11       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                    |0.30
   9 C 11->    |                                 118        389              |
               +----------------------------------------------------+

 device    pf     basic    modes  141   18  COMMAND  file      HELP     EXIT
control   keys    config   keys     CN       LINE   transfer
                                  12:35      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501703              SERVICE ADDRESS
 CUSTOMER NAME                         201      TENNANT STATION
 MOUNTAIN MIKES+----------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 03/06/95        765            12 N     27 |
 MOUNTAIN MIKES|   1 DEF IN    1 02/07/95        753            14 N     27 |
               |   1 DEF IN    1 01/11/95        739            15 N     36 |
 201      TENNA|   1 DEF IN    1 12/06/94        724            13 N     25 |
               |   1 DEF IN    1 11/11/94        711            13       29 |
               |   1 DEF IN    1 10/13/94        698            15       36 |
               |   1 DEF IN    1 09/07/94        683            11       27 |LTY N
 PROPERTY ID   |   1 DEF IN    1 08/11/94        672            14       34 |APE
 SOC SECURITY #|   1 DEF IN    1 07/08/94        658            13       28 |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94        645            11       30 |
 SERVICE       |   1 DEF IN    1 05/11/94        634            14       34 |L DUE
   1 DEF IN    |   1 DEF IN    1 04/07/94        620            13       28 |31.80
   7 C  1-5    |   1 DEF IN    1 03/10/94        607            19       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                    |0.46
   9 C 11->    |                                 177        389              |
               +----------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2501801            SERVICE ADDRESS
 CUSTOMER NAME                       218      TENNANT STATION
 DELIAS CLEANER+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95      2587           53 N     27  |
 DELIAS CLEANER|  1 DEF IN     1 02/07/95      2534           55 N     27  |
               |  1 DEF IN     1 01/11/95      2479           70 N     36  |
 218      TENNA|  1 DEF IN     1 12/06/94      2409           43 N     25  |
               |  1 DEF IN     1 11/11/94      2366           58       29  |
               |  1 DEF IN     1 10/13/94      2308           74       36  |
               |  1 DEF IN     1 09/07/94      2234           51       27  |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94      2183           64       34  |APE
 SOC SECURITY #|  1 DEF IN     1 07/08/94      2119           55       28  |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94      2064           62       30  |
 SERVICE       |  1 DEF IN     1 05/11/94      2002           78       34  |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94      1924           60       28  | 0.00
   7 C  1-5    |  1 DEF IN     1 03/10/94      1864           56       28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     779      389   |2.00
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+

 device     pf     basic    modes  141   18  COMMAND  file      HELP     EXIT
control    keys    config   keys    CN        LINE   transfer
                                  12:35       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502202            SERVICE ADDRESS
 CUSTOMER NAME                       406      TENNANT STA
 METROPOLITAN L+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN     1                  0            0        0  |
 METROPOLITAN L|  1 DEF IN     1 02/07/95      6773            4 N     27  |
               |  1 DEF IN     1 01/11/95      6769           23 N     36  |
 406      TENNA|  1 DEF IN     1 12/06/94      6746           11 N     25  |
               |  1 DEF IN     1 11/11/94      6735           11       29  |
               |  1 DEF IN     1 10/13/94      6724           23       36  |
               |  1 DEF IN     1 09/07/94      6701           22       27  |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94      6679           30       34  |
 SOC SECURITY #|  1 DEF IN     1 07/08/94      6649           23       28  |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94      6626           23       30  |
 SERVICE       |  1 DEF IN     1 05/11/94      6603           28       34  |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94      6575           24       28  |31.75
   7 C  1-5    |  1 DEF IN     1 03/10/94      6551           22       28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     244      362   |0.67
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502302           SERVICE ADDRESS
 CUSTOMER NAME                               TENNANT STATION-LAND #2
 METROPLITAN LI+-----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY
 OWNER NAME/ADD|  1 DEF IN    1                  0              0       0
 METROPLITAN LI|  1 DEF IN    1 02/07/95     49865              0 N    27
               |  1 DEF IN    1 01/11/95     49865              0 N    36
          TENNA|  1 DEF IN    1 12/06/94     49865              0 N    25
               |  1 DEF IN    1 11/11/94     49865              0      29
               |  1 DEF IN    1 10/13/94     49865              0      36
               |  1 DEF IN    1 09/07/94     49865              0      27 |LTY N
 PROPERTY ID   |  1 DEF IN    1 08/11/94     49865              0      34
 SOC SECURITY #|  1 DEF IN    1 07/08/94     49865              0      28
 CA DRIVERS LIC|  1 DEF IN    1 06/10/94     49865              0      30
 SERVICE       |  1 DEF IN    1 05/11/94     49865              0      34 |L DUE
   1 DEF IN    |  1 DEF IN    1 04/07/94     49865              0      28 |71.7
  13 L 1-5     |  1 DEF IN    1 03/10/94     49865              0      28
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY
  15 L 11->    |                                               0       0
               +-----------------------------------------------------+

 device    pf    basic    modes  141   18  COMMAND   file     HELP     EXIT
control   keys   config   keys    CN        LINE   transfer
                                 12:36      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503701           SERVICE ADDRESS
 CUSTOMER NAME                      243      TENNANT STATION
 SOUTH COUNTY A+-----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY
 OWNER NAME/ADD|  1 DEF IN    1 03/06/95       351              3 N    27
 SOUTH COUNTY A|  1 DEF IN    1 02/07/95       348              3 N    27
               |  1 DEF IN    1 01/11/95       345              5 N    36
 243      TENNA|  1 DEF IN    1 12/06/94       340              2 N    25
               |  1 DEF IN    1 11/11/94       338              3      29
               |  1 DEF IN    1 10/13/94       335              3      36
               |  1 DEF IN    1 09/07/94       332              3      27 |LTY N
 PROPERTY ID   |  1 DEF IN    1 08/11/94       329              3      34
 SOC SECURITY #|  1 DEF IN    1 07/08/94       326              1       7
 CA DRIVERS LIC|  1 DEF IN    1 07/01/94       325              0 N     0
 SERVICE       |  1 DEF IN    1 07/01/94       325              0 N     0 |L DUE
   1 DEF IN    |                                               26     248 | 0.00
   7 C  1-5    |                                                          |0.105
   8 C  6-10   |             PRESS ESCAPE TO EXIT DISPLAY
   9 C  11->   |
               +-----------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504102            SERVICE ADDRESS
 CUSTOMER NAME                       750      TENNANT AV
 CINEMA CAL      +-------------------------------------------------------+
                 | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD  |   1 DEF IN     1 03/06/95      4857            35 N    27 |
 CINEMA CAL      |   1 DEF IN     1 02/07/95      4822            35 N    27 |
                 |   1 DEF IN     1 01/11/95      4787            52 N    36 |
 750       TENNA |   1 DEF IN     1 12/06/94      4735            46 N    25 |
                 |   1 DEF IN     1 11/11/94      4689            29      29 |
                 |   1 DEF IN     1 10/13/94      4660            35      36 |
                 |   1 DEF IN     1 09/07/94      4625            45      27 |LTY N
 PROPERTY ID     |   1 DEF IN     1 08/11/94      4580            74      34 |
 SOC SECURITY #  |   1 DEF IN     1 07/08/94      4506            59      28 |
 CA DRIVERS LIC  |   1 DEF IN     1 06/10/94      4447            40      30 |
 SERVICE         |   1 DEF IN     1 05/11/94      4407            30      34 |L DUE
   1 DEF IN      |   1 DEF IN     1 04/07/94      4377            30      28 |99.83
   7 C  1-5      |   1 DEF IN     1 03/10/94      4347            40      28 |
   8 C 6-10      |              PRESS ESCAPE TO EXIT DISPLAY     550     389 |1.414
   9 C 11->      |                                                         |
                 +-------------------------------------------------------+

 device     pf      basic     modes   141    18   COMMAND   file      HELP     EXIT
control    keys     config    keys     CN          LINE   transfer
                                      12:36        CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504204            SERVICE ADDRESS
 CUSTOMER NAME                                TENNANT-BOWL ALLEY
 METROPOLITAN L+---------------------------------------------------------+
                 | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD  |   1 DEF IN     1                  0             0       0 |
 METTOPOLITAN L  |   1 DEF IN     1 02/07/95      8351           166 N    27 |
                 |   1 DEF IN     1 01/11/95      8185           199 N    36 |
           TENNA |   1 DEF IN     1 12/06/94      7986           142 N    25 |
                 |   1 DEF IN     1 11/11/94      7844           168      29 |
                 |   1 DEF IN     1 10/13/94      7676           208      36 |
                 |   1 DEF IN     1 09/07/94      7468           143      27 |LTY N
 PROPERTY ID     |   1 DEF IN     1 08/11/94      7325           185      34 |
 SOC SECURITY #  |   1 DEF IN     1 07/08/94      7140           136      28 |
 CA DRIVERS LIC  |   1 DEF IN     1 06/10/94      7004           148      30 |
 SERVICE         |   1 DEF IN     1 05/11/94      6856           178      34 |L DUE
   1 DEF IN      |   1 DEF IN     1 04/07/94      6678           160      28 |42.68
   7 C  1-5      |   1 DEF IN     1 03/10/94      6518           147      28 |
   8 C 6-10      |              PRESS ESCAPE TO EXIT DISPLAY    1980     362 |5.47
   9 C 11->      |                                                         |
                 +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504500           SERVICE ADDRESS
 CUSTOMER NAME                      500      TENNANT AV - LANDSCAPE
 S.V. NAT'L BAN+----------------------------------------------------------+
               |  SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95       1165             6 N     27 |
 S.V. NAT'L BAN|   1 DEF IN     1 02/07/95       1159             7 N     27 |
               |   1 DEF IN     1 01/11/95       1152             6 N     36 |
 500      TENNA|   1 DEF IN     1 12/06/94       1146             6 N     25 |
               |   1 DEF IN     1 11/11/94       1140             8       29 |
               |   1 DEF IN     1 10/13/94       1132             9       36 |
               |   1 DEF IN     1 09/07/94       1123             7       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94       1116             9       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94       1107             7       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94       1100             9       30 |
 SERVICE       |   1 DEF IN     1 05/11/94       1091            10       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94       1081             9       28 | 0.0
   7 C  1-5    |   1 DEF IN     1 03/10/94       1072             9       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY      102      389 |0.26
   9 C 11->    |                                                            |
               +----------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN       LINE   transfer
                                    12:37      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504601           SERVICE ADDRESS
 CUSTOMER NAME                               TENNANT STATION-LAND #1
 METROPOLITAN L+----------------------------------------------------------+
               |  SERVICE   METER   DATE   READING    USED    ESTIMATE DAY | not use
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95      13126             3 N     27 | in cal
 METROPOLITAN L|   1 DEF IN     1 02/07/95      13123             0 N     27 |
               |   1 DEF IN     1 01/11/95      13123             7 N     36 |
          TENNA|   1 DEF IN     1 12/06/94      13116           109 N     25 |
               |   1 DEF IN     1 11/11/94      13007           248       29 |
               |   1 DEF IN     1 10/13/94      12759           244       36 |
               |   1 DEF IN     1 09/07/94      12515           226       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94      12289           229       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94      12060           424       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94      11636           195       30 |
 SERVICE       |   1 DEF IN     1 05/11/94      11441           362       34 |L DUE
  1 DEF IN     |   1 DEF IN     1 04/07/94      11079            14       28 | 8.15
 13 L 1-5      |   1 DEF IN     1 03/10/94      11065            15       28 |
 14 L 6-10     |              PRESS ESCAPE TO EXIT DISPLAY     2076  ~~389~~ |~~5.34~~
 15 L 11->     |                                                     362  |5.73
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2505202             SERVICE ADDRESS
 CUSTOMER NAME                        850      TENNANT STATION
 GET FIT FITNES+------------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       1091           18 N      27 |
 GET FIT FITNES|  1 DEF IN     1 02/07/95       1073           17 N      27 |
               |  1 DEF IN     1 01/11/95       1056           18 N      36 |
 850      TENNA|  1 DEF IN     1 12/06/94       1038           14 N      25 |
               |  1 DEF IN     1 11/11/94       1024           17        29 |
               |  1 DEF IN     1 10/13/94       1007           22        36 |
 MICHAEL & RENA|  1 DEF IN     1 09/07/94        985           15        27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94        970           20        34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94        950           13        28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94        937           16        30 |
 SERVICE       |  1 DEF IN     1 05/11/94        921           19        34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94        902           23        28 |37.20
   7 C  1-5    |  1 DEF IN     1 03/10/94        879           22        28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      234       389 |0.60
   9 C 11->    |                                                            |
               +------------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE   transfer
                                    12:38      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2506200             SERVICE ADDRESS
 CUSTOMER NAME                        890      TENNANT STATION
 SPEE DEE OIL C+------------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95        386            5 N      27 |
 SPEE DEE OIL C|  1 DEF IN     1 02/07/95        381           20 N      27 |
               |  1 DEF IN     1 01/11/95        361           24 N      36 |
 890      TENNA|  1 DEF IN     1 12/06/94        337           13 N      25 |
               |  1 DEF IN     1 11/11/94        324           26        29 |
               |  1 DEF IN     1 10/13/94        298           16        36 |
               |  1 DEF IN     1 09/07/94        282            5        27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94        277            6        34 |APE
 SOC SECURITY #|  1 DEF IN     1 07/08/94        271            5        28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94        266            5        30 |
 SERVICE       |  1 DEF IN     1 05/11/94        261            8        34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94        253            5        28 |22.30
   7 C  1-5    |  1 DEF IN     1 03/10/94        248            5        28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      143       389 |0.368
   9 C 11->    |                                                            |
               +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0722900               SERVICE ADDRESS
 CUSTOMER NAME                          451      VINEYARD TOWN CTR WY
 NOB HILL FOODS+-----------------------------------------------------------+
               |  SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95      12351            198 N    29 |
 NOB HILL FOODS|   1 DEF IN     1 01/23/95      12153            238 N    35 |
               |   1 DEF IN     1 12/19/94      11915            183 N    28 |
 FILE #22      |   1 DEF IN     1 11/21/94      11732            176 N    28 |
 GILROY, CA    |   1 DEF IN     1 10/24/94      11556            165      28 |
 95020         |   1 DEF IN     1 09/26/94      11391            153      34 |
 200   E. 10TH |   1 DEF IN     1 08/23/94      11238            105      28 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94      11133            172      36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94      10961            119      28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94      10842            114      28 |
 SERVICE       |   1 DEF IN     1 04/25/94      10728            129      35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94      10599             95      27 |42.15
   7 C  1-5    |   1 DEF IN     1 02/22/94      10504            102      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                      |
   9 C 11->    |                                                1949     392 |4.97
               +-----------------------------------------------------------+

 device     pf      basic     modes  141   18  COMMAND   file     HELP     EXIT
control    keys    config     keys    CN        LINE   transfer
                                     12:43      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723000               SERVICE.ADDRESS
 CUSTOMER NAME                          101      VINEYARD TOWN CTR WY
 BANK OF AMERIC+-----------------------------------------------------------+
               |  SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95       5725              7 N    29 |
 BANK OF AMERIC|   1 DEF IN     1 01/23/95       5718              7 N    35 |
               |   1 DEF IN     1 12/19/94       5711              6 N    28 |
 101     VINEY |   1 DEF IN     1 11/21/94       5705              5 Y    28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94       5700              5      28 |
 95037         |   1 DEF IN     1 09/26/94       5695              9      34 |
               |   1 DEF IN     1 08/23/94       5686             12      28 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94       5674              9      36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94       5665             95      28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94       5570            118      28 |
 SERVICE       |   1 DEF IN     1 04/25/94       5452             66      35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94       5386              7      27 |34.25
   7 C  1-5    |   1 DEF IN     1 02/22/94       5379              5      28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                      |
   9 C 11->    |                                                 351     392 |0.895
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723100            SERVICE ADDRESS
 CUSTOMER NAME                       201      VINEYARD TOWN CTR WY
 JAMES C. HENLE+--------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95      9117          52 N     29 |
 MCDONALD'S    |   1 DEF IN     1 01/23/95      9065          88 N     35 |
               |   1 DEF IN     1 12/19/94      8977          41 N     28 |
 201      VINEY|   1 DEF IN     1 11/21/94      8936          50 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94      8886          66       28 |
 95037         |   1 DEF IN     1 09/26/94      8820          98       34 |
               |   1 DEF IN     1 08/23/94      8722          86       28 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94      8636         111       36 |
 SOC SECURITY #|   1 DEF IN     1 06/20/94      8525          80       28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94      8445          81       28 |
 SERVICE       |   1 DEF IN     1 04/25/94      8364         105       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94      8259          76       27 |55.41
   7 C  1-5    |   1 DEF IN     1 02/22/94      8183          75       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY
   9 C 11->    |                                          1009        392 |2.57
               +--------------------------------------------------+

 device     pf     basic     modes  141   18   COMMAND   file     HELP     EXIT
control    keys    config    keys    CN         LINE   transfer
                                   12:43        CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723200            SERVICE ADDRESS
 CUSTOMER NAME                            VINEYARD TWN CTR WY      LANDSCAP
 KENT FAMILY TR+--------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95     44572          13 N     29 |
 KENT FAMILY TR|   1 DEF IN     1 01/23/95     44559          19 N     35 |
               |   1 DEF IN     1 12/19/94     44540          12 N     28 |
 15335    CALLE|   1 DEF IN     1 11/21/94     44528         303 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/24/94     44225         329       28 |
 95037         |   1 DEF IN     1 09/26/94     43896         913       34 |
               |   1 DEF IN     1 08/23/94     42983         728       28 |LTY N
 PROPERTY ID   |   1 DEF IN     1 07/26/94     42255         902       36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94     41353         556       28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94     40797         357       28 |
 SERVICE       |   1 DEF IN     1 04/25/94     40440         485       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94     39955         196       27 |29.10
  13 L 1-5     |   1 DEF IN     1 02/22/94     39759          39       28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY
  15 L 11->    |                                          4852        392 |12.378
               +--------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723400           SERVICE ADDRESS
 CUSTOMER NAME                      401      VINEYARD TWN CTR WY
 PAYLESS DRUGS  +-----------------------------------------------------------+
                | SERVICE    METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 02/21/95      4009            12 N     29 |
 PAYLESS DRUGS  |  1 DEF IN     1 01/23/95      3997            12 N     35 |
                |  1 DEF IN     1 12/19/94      3985            13 N     28 |
 401      VINEY |  1 DEF IN     1 11/21/94      3972            15 N     28 |
 MORGAN HILL CA |  1 DEF IN     1 10/24/94      3957            21       28 |
 95037          |  1 DEF IN     1 09/26/94      3936            33       34 |
                |  1 DEF IN     1 08/23/94      3903            35       28 |LTY N
 PROPERTY ID    |  1 DEF IN     1 07/26/94      3868            57       36 |APE
 SOC SECURITY # |  1 DEF IN     1 06/20/94      3811            57       28 |
 CA DRIVERS LIC |  1 DEF IN     1 05/23/94      3754            37       28 |
 SERVICE        |  1 DEF IN     1 04/25/94      3717            64       35 |L DUE
   1 DEF IN     |  1 DEF IN     1 03/21/94      3653            14       27 |66.7
   7 C  1-5     |  1 DEF IN     1 02/22/94      3639             9       28 |
   8 C 6-10     |            PRESS ESCAPE TO EXIT DISPLAY    ____      ____ |____
   9 C 11->     |                                             379       392 |0.96
                +-----------------------------------------------------------+

 device     pf     basic     modes  141    18  COMMAND   file      HELP      EXIT
control    keys    config    keys     CN        LINE   transfer
                                    12:44       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723600           SERVICE ADDRESS
 CUSTOMER NAME                      411      VINEYARD TWN CTR WY
 KENT TRUST     +-----------------------------------------------------------+
                |·SERVICE    METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 02/21/95       966            60 N     29 |
 KENT TRUST     |  1 DEF IN     1 01/23/95       906            84 N     35 |
                |  1 DEF IN     1 12/19/94       822            91 N     28 |
 15335    CALLE |  1 DEF IN     1 11/21/94       731            60 N     28 |
 MORGAN HILL CA |  1 DEF IN     1 10/24/94       671            48       28 |
 95037          |  1 DEF IN     1 09/26/94       623            77       34 |
                |  1 DEF IN     1 08/23/94       546           148       28 |LTY N
 PROPERTY ID    |  1 DEF IN     1 07/26/94       398           114       36 |APE
 SOC SECURITY # |  1 DEF IN     1 06/20/94       284            83       28 |
 CA DRIVERS LIC |  1 DEF IN     1 05/23/94       201            44       28 |
 SERVICE        |  1 DEF IN     1 04/25/94       157            49       35 |L DUE
   1 DEF IN     |  1 DEF IN     1 03/21/94       108            42       27 |29.90
   7 C  1-5     |  1 DEF IN     1 02/22/94        66            45       28 |
   8 C 6-10     |            PRESS ESCAPE TO EXIT DISPLAY    ____      ____ |____
   9 C 11->     |                                             945       392 |2.41
                +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0723700             SERVICE ADDRESS
 CUSTOMER NAME                        419      VINEYARD TWN CTR WY
 KENT TRUST - S+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/21/95        136         19 N     29 |
 KENT TRUST - S|   1 DEF IN    1 01/23/95        117         35 N     35 |
               |   1 DEF IN    1 12/19/94         82         20 N     28 |
 15335    CALLE|   1 DEF IN    1 11/21/94         62         10 N     28 |
 MORGAN HILL CA|   1 DEF IN    1 10/24/94         52          3       28 |
 95037         |   1 DEF IN    1 09/26/94         49          4       34 |
               |   1 DEF IN    1 08/23/94         45          3       28 |LTY N
 PROPERTY ID   |   1 DEF IN    1 07/26/94         42          3       36 |APE
 SOC SECURITY #|   1 DEF IN    1 06/20/94         39          5       28 |
 CA DRIVERS LIC|   1 DEF IN    1 05/23/94         34          8       28 |
 SERVICE       |   1 DEF IN    1 04/25/94         26         11       35 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/21/94         15          7       27 |60.20
   7 C  1-5    |   1 DEF IN    1 02/22/94          8          5       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                |
   9 C 11->    |                                           133     392   |0.339
               +---------------------------------------------------------+

 device    pf    basic     modes  141   18  COMMAND   file     HELP     EXIT
control   keys   config    keys    CN        LINE  transfer
                                  12:47      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0724800             SERVICE ADDRESS
 CUSTOMER NAME                                 VINEYARD TOWN CENTER
 KENT FAMILY TR+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/21/95       3095         69 N     29 |
 KENT FAMILY TR|   1 DEF IN    1 01/23/95       3026         86 N     35 |
               |   1 DEF IN    1 12/19/94       2940         72 N     28 |
 STUFT PI      |   1 DEF IN    1 11/21/94       2868         78 N     28 |
 MORGAN HILL CA|   1 DEF IN    1 10/24/94       2790         84       28 |
 95037         |   1 DEF IN    1 09/26/94       2706         89       34 |
 15335 CALLE EN|   1 DEF IN    1 08/23/94       2617         83       28 |LTY N
 PROPERTY ID   |   1 DEF IN    1 07/26/94       2534         96       36 |APE
 SOC SECURITY #|   1 DEF IN    1 06/20/94       2438        103       28 |
 CA DRIVERS LIC|   1 DEF IN    1 05/23/94       2335         84       28 |
 SERVICE       |   1 DEF IN    1 04/25/94       2251        152       35 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/21/94       2099        105       27 |09.75
   7 C  1-5    |   1 DEF IN    1 02/22/94       1994        166       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                |
   9 C 11->    |                                          1267     392   |3.232
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0725100            SERVICE ADDRESS
 CUSTOMER NAME                       501      VINEYARD TOWN CENTER
 KENT FAMILY TR+---------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/21/95          61           1 N    29 |
 KENT FAMILY TR|  1 DEF IN     1 01/23/95          60           2 N    35 |
               |  1 DEF IN     1 12/19/94          58           0 N    28 |
 15335    CALLE|  1 DEF IN     1 11/21/94          58           1 N    28 |
 MORGAN HILL CA|  1 DEF IN     1 10/24/94          57           1      28 |
 95037         |  1 DEF IN     1 09/26/94          56           2      34 |
               |  1 DEF IN     1 08/23/94          54           1      28 |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/26/94          53           2      36 |APE
 SOC SECURITY #|  1 DEF IN     1 06/20/94          51           2      28 |
 CA DRIVERS LIC|  1 DEF IN     1 05/23/94          49           1      28 |
 SERVICE       |  1 DEF IN     1 04/25/94          48           2      35 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/21/94          46           2      27 |11.4
   7 C  1-5    |  1 DEF IN     1 02/22/94          44           1      28 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY      ____     ____ |____
   9 C 11->    |                                              12      364 |0.03
               +---------------------------------------------------+

 device     pf     basic    modes  141   18  COMMAND   file      HELP     EXIT
control    keys    config   keys    CN        LINE   transfer
                                   12:48      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0725200            SERVICE ADDRESS
 CUSTOMER NAME                       421      VINEYARD TWN CTR WY      WAREHOUS
 PACIFIC OAK PR+---------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/21/95        4985         141 N    29 |
 PACIFIC OAK PR|  1 DEF IN     1 01/23/95        4844         177      35 |
               |  1 DEF IN     1 12/19/94        4667         155 N    28 |
 15335    CALLE|  1 DEF IN     1 11/21/94        4512         116 N    28 |
 MORGAN HILL, C|  1 DEF IN     1 10/24/94        4396          80      28 |
 95037         |  1 DEF IN     1 09/26/94        4316          72      34 |
               |  1 DEF IN     1 08/23/94        4244          88      28 |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/26/94        4156          84      36 |APE
 SOC SECURITY #|  1 DEF IN     1 06/20/94        4072          47      28 |
 CA DRIVERS LIC|  1 DEF IN     1 05/23/94        4025         114      28 |
 SERVICE       |  1 DEF IN     1 04/25/94        3911          81      35 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/21/94        3830          77      27 |72.60
   7 C  1-5    |  1 DEF IN     1 02/22/94        3753          73      28 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY      ____     ____ |____
   9 C 11->    |                                             1305     302 |3.32
               +---------------------------------------------------+
```

not
use
in
cal

```
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0725300              SERVICE ADDRESS
 CUSTOMER NAME                         421      VINEYARD TWN CTR WY      SHOE
 PACIFIC OAK PR+-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|  1 DEF IN     1 02/21/95        315           20 N    29  |
 PACIFIC OAK PR|  1 DEF IN     1 01/23/95        295            8 N    35  |
               |  1 DEF IN     1 12/19/94        287            7 N    28  |
 15335    CALLE|  1 DEF IN     1 11/21/94        280            2 N    28  |
 MORGAN HILL, C|  1 DEF IN     1 10/24/94        278            2      28  |
 95037         |  1 DEF IN     1 09/26/94        276            8      34  |
               |  1 DEF IN     1 08/23/94        268            3      28  |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/26/94        265            7      36  |APE
 SOC SECURITY #|  1 DEF IN     1 06/20/94        258            1      28  |
 CA DRIVERS LIC|  1 DEF IN     1 05/23/94        257            4      28  |
 SERVICE       |  1 DEF IN     1 04/25/94        253           24      35  |L DUE
   1 DEF IN    |  1 DEF IN     1 03/21/94        229           16      27  |01.70
   7 C  1-5    |  1 DEF IN     1 02/22/94        213            9      28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                   |
   9 C 11->    |                                      111         392      |0.283
               +-----------------------------------------------------------+

 device    pf     basic    modes  141   18  COMMAND   file     HELP     EXIT
control   keys   config    keys    CN        LINE   transfer
                                  12:48      CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0725400              SERVICE ADDRESS
 CUSTOMER NAME                                  VINEYARD TWN CTR         LANDSCAP
 PACIFIC OAK PR+-----------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY  |not use
 OWNER NAME/ADD|  1 DEF IN     1 02/21/95       9492            0 N    29  |in co
 PACIFIC OAK PR|  1 DEF IN     1 01/23/95       9492            1 N    35  |
               |  1 DEF IN     1 12/19/94       9491           60 N    28  |
 15335    CALLE|  1 DEF IN     1 11/21/94       9431          213 N    28  |
 MORGAN HILL, C|  1 DEF IN     1 10/24/94       9218          212      28  |
 95037         |  1 DEF IN     1 09/26/94       9006          258      34  |
               |  1 DEF IN     1 08/23/94       8748          206      28  |LTY N
 PROPERTY ID   |  1 DEF IN     1 07/26/94       8542          252      36  |APE
 SOC SECURITY #|  1 DEF IN     1 06/20/94       8290          177      28  |
 CA DRIVERS LIC|  1 DEF IN     1 05/23/94       8113          145      28  |
 SERVICE       |  1 DEF IN     1 04/25/94       7968          250      35  |L DUE
   1 DEF IN    |  1 DEF IN     1 03/21/94       7718           63      27  |13.10
  13 L 1-5     |  1 DEF IN     1 02/22/94       7655           57      28  |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                   |
  15 L 11->    |                                     1894         363      |5.218
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0725500           SERVICE ADDRESS
 CUSTOMER NAME                      428      VINEYARD TWN CTR WY      YOGURT
 PACIFIC OAK PR+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/21/95      294             20 N    29 |
 PACIFIC OAK PR|   1 DEF IN     1 01/23/95      274             23 N    35 |
               |   1 DEF IN     1 12/19/94      251             23 N    28 |
 15335    CALLE|   1 DEF IN     1 11/21/94      228             21 N    28 |
 MORGAN HILL, C|   1 DEF IN     1 10/24/94      207             21      28 |
 95037         |   1 DEF IN     1 09/26/94      186             23      34 |
               |   1 DEF IN     1 08/23/94      163             20      28 |LTY
 PROPERTY ID   |   1 DEF IN     1 07/26/94      143             25      36 |APE
 SOC SECURITY #|   1 DEF IN     1 06/20/94      118             20      28 |
 CA DRIVERS LIC|   1 DEF IN     1 05/23/94       98             21      28 |
 SERVICE       |   1 DEF IN     1 04/25/94       77             26      35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/21/94       51             20      27 |99.30
   7 C  1-5    |   1 DEF IN     1 02/22/94       31             22      28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->    |                                           285       392   | 0.72
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100000            SERVICE ADDRESS
 CUSTOMER NAME                       490      JARVIS DR-LANDSCAPE #A
 WILTRON-12C      +-------------------------------------------------------+
                  | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD   |   1 DEF IN    1 03/07/95     20561           3 N     28 |
 WILTRON-12C      |   1 DEF IN    1 02/07/95     20558           2 N     27 |
                  |   1 DEF IN    1 01/11/95     20556           3 N     35 |
 490      JARVI   |   1 DEF IN    1 12/07/94     20553           1 N     27 |
                  |   1 DEF IN    1 11/10/94     20552         111       27 |
                  |   1 DEF IN    1 10/14/94     20441         331       36 |
                  |   1 DEF IN    1 09/08/94     20110         271       29 |LTY N
 PROPERTY ID      |   1 DEF IN    1 08/10/94     19839         315       34 |APE
 SOC SECURITY #   |   1 DEF IN    1 07/07/94     19524         215       28 |
 CA DRIVERS LIC   |   1 DEF IN    1 06/09/94     19309         157       28 |
 SERVICE          |   1 DEF IN    1 05/12/94     19152         177       36 |L DUE
   1 DEF IN       |   1 DEF IN    1 04/06/94     18975          99       28 |15.10
  13 L 1-5        |   1 DEF IN    1 03/09/94     18876           1       28 |
  14 L 6-10       |             PRESS ESCAPE TO EXIT DISPLAY  1686      391 |4.312
  15 L 11->       |                                                        |
                  +-------------------------------------------------------+

 device    pf     basic    modes  141   18   COMMAND   file      HELP     EXIT
control   keys    config   keys    CN        LINE    transfer
                                 12:51       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100100            SERVICE ADDRESS
 CUSTOMER NAME                       675      JARVIS DR-#4A GROUNDS
 WILTRON          +-------------------------------------------------------+
                  | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |not use
 OWNER NAME/ADD   |   1 DEF IN    1 03/07/95     13532           0 N     28 |in cal
 WILTRON          |   1 DEF IN    1 02/07/95     13532           7 N     27 |
                  |   1 DEF IN    1 01/11/95     13525          10 N     35 |
 675      JARVI   |   1 DEF IN    1 12/07/94     13515          11 N     27 |
                  |   1 DEF IN    1 11/10/94     13504         189       27 |
                  |   1 DEF IN    1 10/14/94     13315         502       36 |
                  |   1 DEF IN    1 09/08/94     12813         524       29 |LTY N
 PROPERTY ID      |   1 DEF IN    1 08/10/94     12289         237       34 |
 SOC SECURITY #   |   1 DEF IN    1 07/07/94     12052         184       28 |
 CA DRIVERS LIC   |   1 DEF IN    1 06/09/94     11868         294       28 |
 SERVICE          |   1 DEF IN    1 05/12/94     11574         154       36 |L DUE
   1 DEF IN       |   1 DEF IN    1 04/06/94     11420         161       28 |15.15
  13 L 1-5        |   1 DEF IN    1 03/09/94     11259           7       28 |
  14 L 6-10       |             PRESS ESCAPE TO EXIT DISPLAY  2280      363 |6.281
  15 L 11->       |                                                        |
                  +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100200            SERVICE ADDRESS
 CUSTOMER NAME                       685     JARVIS DR                  #4B
 WILTRON          +-----------------------------------------------------------+
                  | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY   |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95     21636            34 N      28   |
 WILTRON       |   1 DEF IN     1 02/07/95     21602            32 N      27   |
               |   1 DEF IN     1 01/11/95     21570            39 N      35   |
 685     JARVI |   1 DEF IN     1 12/07/94     21531            30 N      27   |
               |   1 DEF IN     1 11/10/94     21501           339        27   |
               |   1 DEF IN     1 10/14/94     21162           621        36   |
               |   1 DEF IN     1 09/08/94     20541           546        29   |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94     19995           414        34   |
 SOC SECURITY #|   1 DEF IN     1 07/07/94     19581           273        28   |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94     19308           275        28   |
 SERVICE       |   1 DEF IN     1 05/12/94     19033           353        36   |L DU
   1 DEF IN    |   1 DEF IN     1 04/06/94     18680           241        28   |63.1
  13 L 1-5     |   1 DEF IN     1 03/09/94     18439            31        28   |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY    ______    ______
  15 L 11->    |                                              3228       391  | ~~8~~
                  +-----------------------------------------------------------+ 8.2

 device     pf     basic    modes  141   18  COMMAND   file      HELP      EXIT
control    keys    config   keys    CN        LINE   transfer
                                   12:52      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100300            SERVICE ADDRESS
 CUSTOMER NAME                       490     JARVIS DR               BLDG #A
 WILTRON-12C      +-----------------------------------------------------------+
                  | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY   |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95     11479            80 N      28   |
 WILTRON-12C   |   1 DEF IN     1 02/07/95     11399            75 N      27   |
               |   1 DEF IN     1 01/11/95     11324            73 N      35   |
 490     JARVI |   1 DEF IN     1 12/07/94     11251            70 N      27   |
               |   1 DEF IN     1 11/10/94     11181            69        27   |
               |   1 DEF IN     1 10/14/94     11112            90        36   |
               |   1 DEF IN     1 09/08/94     11022            69        29   |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94     10953            86        34   |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94     10867            60        28   |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94     10807            59        28   |
 SERVICE       |   1 DEF IN     1 05/12/94     10748            86        36   |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94     10662            60        28   |67.00
   7 C  1-5    |   1 DEF IN     1 03/09/94     10602            57        28   |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY    ______    ______  ______
   9 C 11->    |                                               934       391  |2.38
                  +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100400            SERVICE ADDRESS
 CUSTOMER NAME                       675      JARVIS DR                #4A
 WILTRON         +-------------------------------------------------------+
                 | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD  |   1 DEF IN     1 03/07/95      2796          47 N     28 |
 WILTRON         |   1 DEF IN     1 02/07/95      2749          40 N     27 |
                 |   1 DEF IN     1 01/11/95      2709          39 N     35 |
 675      JARVI  |   1 DEF IN     1 12/07/94      2670          33 N     27 |
                 |   1 DEF IN     1 11/10/94      2637          28       27 |
                 |   1 DEF IN     1 10/14/94      2609          39       36 |
                 |   1 DEF IN     1 09/08/94      2570          30       29 |LTY N
 PROPERTY ID     |   1 DEF IN     1 08/10/94      2540          38       34 |
 SOC SECURITY #  |   1 DEF IN     1 07/07/94      2502          32       28 |
 CA DRIVERS LIC  |   1 DEF IN     1 06/09/94      2470          35       28 |
 SERVICE         |   1 DEF IN     1 05/12/94      2435          46       36 |L DUE
   1 DEF IN      |   1 DEF IN     1 04/06/94      2389          31       28 |60.50
   7 C  1-5      |   1 DEF IN     1 03/09/94      2358          27       28 |
   8 C 6-10      |             PRESS ESCAPE TO EXIT DISPLAY  _____    _____ | _____
   9 C 11->      |                                            465      391  | 1,18
                 +-------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND   file      HELP     EXIT
control    keys    config    keys     CN       LINE   transfer
                                    12:52      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100500            SERVICE ADDRESS
 CUSTOMER NAME                       685      JARVIS DR #4B
 WILTRON         +-------------------------------------------------------+
                 | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD  |   1 DEF IN     1 03/07/95      4806          48 N     28 |
 WILTRON         |   1 DEF IN     1 02/07/95      4758          43 N     27 |
                 |   1 DEF IN     1 01/11/95      4715          55 N     35 |
 685      JARVI  |   1 DEF IN     1 12/07/94      4660          46 N     27 |
                 |   1 DEF IN     1 11/10/94      4614          46       27 |
                 |   1 DEF IN     1 10/14/94      4568          61       36 |
                 |   1 DEF IN     1 09/08/94      4507          48       29 |LTY N
 PROPERTY ID     |   1 DEF IN     1 08/10/94      4459          60       34 |
 SOC SECURITY #  |   1 DEF IN     1 07/07/94      4399          51       28 |
 CA DRIVERS LIC  |   1 DEF IN     1 06/09/94      4348          42       28 |
 SERVICE         |   1 DEF IN     1 05/12/94      4306          72       36 |L DUE
   1 DEF IN      |   1 DEF IN     1 04/06/94      4234          56       28 |78.20
   7 C  1-5      |   1 DEF IN     1 03/09/94      4178          54       28 |
   8 C 6-10      |             PRESS ESCAPE TO EXIT DISPLAY  _____    _____ | _____
   9 C 11->      |                                            682      391  | 1,744
                 +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100701          SERVICE ADDRESS
 CUSTOMER NAME                     490      JARVIS DR #1
 VENTURE CORPOR+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN     1 03/07/95      14158            0 N     28 |
 VENTURE CORPOR|   1 DEF  IN     1 02/07/95      14158            0 N     27 |
               |   1 DEF  IN     1 01/11/95      14158            0 N     35 |
 490      JARVI|   1 DEF  IN     1 12/07/94      14158            0 N     27 |
               |   1 DEF  IN     1 11/10/94      14158            0       27 |
               |   1 DEF  IN     1 10/14/94      14158            0       36 |
               |   1 DEF  IN     1 09/08/94      14158            0       29 |LTY N
 PROPERTY ID   |   1 DEF  IN     1 08/10/94      14158            0       34 |
 SOC SECURITY #|   1 DEF  IN     1 07/07/94      14158            0       28 |
 CA DRIVERS LIC|   1 DEF  IN     1 06/09/94      14158            0       28 |
 SERVICE       |   1 DEF  IN     1 05/12/94      14158            0       36 |L DUE
   1 DEF IN    |   1 DEF  IN     1 04/06/94      14158            0 N     28 |26.4
  13 L 1-5     |   1 DEF  IN     1 03/09/94      14158            0       28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                    |  0
  15 L 11->    |                                                             |
               +-------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE   transfer
                                    12:53      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100801          SERVICE ADDRESS
 CUSTOMER NAME                     490      JARVIS DR #2
 VENTURE CORPOR+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN     1 03/07/95      16960            3 N     28 |
 VENTURE CORPOR|   1 DEF  IN     1 02/07/95      16957            3 N     27 | not u
               |   1 DEF  IN     1 01/11/95      16954            2 N     35 | in ca
 490      JARVI|   1 DEF  IN     1 12/07/94      16952            0 N     27 |
               |   1 DEF  IN     1 11/10/94      16952           70       27 |
               |   1 DEF  IN     1 10/14/94      16882          172       36 |
               |   1 DEF  IN     1 09/08/94      16710          161       29 |LTY N
 PROPERTY ID   |   1 DEF  IN     1 08/10/94      16549          426       34 |
 SOC SECURITY #|   1 DEF  IN     1 07/07/94      16123          150       28 |
 CA DRIVERS LIC|   1 DEF  IN     1 06/09/94      15973          154       28 |
 SERVICE       |   1 DEF  IN     1 05/12/94      15819           76       36 |L DUE
   1 DEF IN    |   1 DEF  IN     1 04/06/94      15743           10       28 |41.58
  13 L 1-5     |   1 DEF  IN     1 03/09/94      15733            7       28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY  1234          364 |3.3
  15 L 11->    |                                                             |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3100901            SERVICE ADDRESS
 CUSTOMER NAME                       490      JARVIS DR #3
 VENTURE CORPOR+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95       5130              0 N     28 |
 VENTURE CORPOR|   1 DEF IN     1 02/07/95       5130              0 N     27 |
               |   1 DEF IN     1 01/11/95       5130              0 N     35 |
 490      JARVI|   1 DEF IN     1 12/07/94       5130              0 Y     27 |
               |   1 DEF IN     1 11/10/94       5130              0       27 |
               |   1 DEF IN     1 10/14/94       5130              0       36 |
               |   1 DEF IN     1 09/08/94       5130              0       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94       5130              0       34 |
 SOC SECURITY #|   1 DEF IN     1 07/07/94       5130              0       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94       5130              0       28 |
 SERVICE       |   1 DEF IN     1 05/12/94       5130              0       36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94       5130              0       28 | 0.00
  13 L 1-5     |   1 DEF IN     1 03/09/94       5130              0       28 |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                      |
  15 L 11->    |                                                             |  0
               +-------------------------------------------------------+

 device    pf     basic    modes  141   18  COMMAND   file     HELP    EXIT
control   keys   config    keys    CN        LINE   transfer
                                  12:54      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3101001            SERVICE ADDRESS
 CUSTOMER NAME                       490      JARVIS DR #4
 VENTURE CORPOR+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      27339              5 N     28 |
 VENTURE CORPOR|   1 DEF IN     1 02/07/95      27334              5 N     27 |
               |   1 DEF IN     1 01/11/95      27329              2 N     35 |
 490      JARVI|   1 DEF IN     1 12/07/94      27327              1 N     27 |
               |   1 DEF IN     1 11/10/94      27326              5       27 |
               |   1 DEF IN     1 10/14/94      27321             15       36 |
               |   1 DEF IN     1 09/08/94      27306              9       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      27297              0       34 |  not us
 SOC SECURITY #|   1 DEF IN     1 07/07/94      27297              0       28 |  in cal
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      27297              0       28 |
 SERVICE       |   1 DEF IN     1 05/12/94      27297              0       36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      27297              0       28 | 0.00
  13 L 1-5     |   1 DEF IN     1 03/09/94      27297              0       28 |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                      |
  15 L 11->    |                                                 42     209 |0.201
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3101101            SERVICE ADDRESS
 CUSTOMER NAME                       490      JARVIS DR #5
 VENTURE CORPOR+----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95       9502           62 N    28 |
 VENTURE CORPOR|   1 DEF IN     1 02/07/95       9440           55 N    27 |
               |   1 DEF IN     1 01/11/95       9385          381 N    35 |
 490      JARVI|   1 DEF IN     1 12/07/94       9004          522 N    27 |
               |   1 DEF IN     1 11/10/94       8482          742      27 |
               |   1 DEF IN     1 10/14/94       7740         1196      36 |
               |   1 DEF IN     1 09/08/94       6544         1243      29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94       5301         1528      34 |
 SOC SECURITY #|   1 DEF IN     1 07/07/94       3773         1058      28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94       2715         1032      28 |
 SERVICE       |   1 DEF IN     1 05/12/94       1683         1110      36 |L DUF
   1 DEF IN    |   1 DEF IN     1 04/06/94        573          340      28 | 0.0
  13 L 1-5     |   1 DEF IN     1 03/09/94        233          355      28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
  15 L 11->    |                                   9624       391        |24.
               +----------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND   file      HELP      EXIT
control     keys   config    keys    CN        LINE   transfer
                                    12:55      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3101201            SERVICE ADDRESS
 CUSTOMER NAME                       490      JARVIS DR #6
 VENTURE CORPOR+----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      14646            0 N    28 |
 VENTURE CORPOR|   1 DEF IN     1 02/07/95      14646            0 N    27 |
               |   1 DEF IN     1 01/11/95      14646            0 N    35 |
 490      JARVI|   1 DEF IN     1 12/07/94      14646            0 N    27 |
               |   1 DEF IN     1 11/10/94      14646            0      27 |
               |   1 DEF IN     1 10/14/94      14646            0      36 |
               |   1 DEF IN     1 09/08/94      14646            0      29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      14646            0      34 |
 SOC SECURITY #|   1 DEF IN     1 07/07/94      14646           25      28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      14621            0      28 |
 SERVICE       |   1 DEF IN     1 05/12/94      14621            0      36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      14621            0      28 | 0.00
  13 L 1-5     |   1 DEF IN     1 03/09/94      14621            0      28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
  15 L 11->    |                                                          |0.89
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3101301              SERVICE ADDRESS
 CUSTOMER NAME                         490      JARVIS DR #7
 VENTURE CORPOR+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      23477           0 N     28  |
 VENTURE CORPOR|   1 DEF IN     1 02/07/95      23477           0 N     27  |
               |   1 DEF IN     1 01/11/95      23477           0 N     35  |
 490      JARVI|   1 DEF IN     1 12/07/94      23477           0 N     27  |
               |   1 DEF IN     1 11/10/94      23477           0       27  |
               |   1 DEF IN     1 10/14/94      23477           0       36  |
               |   1 DEF IN     1 09/08/94      23477           0       29  |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      23477           0       34  |
 SOC SECURITY #|   1 DEF IN     1 07/07/94      23477           0       28  |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      23477           0       28  |
 SERVICE       |   1 DEF IN     1 05/12/94      23477           0       36  |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      23477           0       28  | 0.00
  13 L 1-5     |   1 DEF IN     1 03/09/94      23477           0       28  |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
  15 L 11->    |                                                           |  0
               +-----------------------------------------------------------+

 device     pf     basic     modes  141   18  COMMAND  file     HELP     EXIT
control    keys    config    keys     CN        LINE   transfer
                                     12:56      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3101900              SERVICE ADDRESS
 CUSTOMER NAME                         490      JARVIS DR-#4A GROUNDS
 WILTRON       +-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      23520           2 N     28  |
 WILTRON       |   1 DEF IN     1 02/07/95      23518           2 N     27  |
               |   1 DEF IN     1 01/11/95      23516          12 N     35  |
 490      JARVI|   1 DEF IN     1 12/07/94      23504          18 N     27  |
               |   1 DEF IN     1 11/10/94      23486         168       27  |
               |   1 DEF IN     1 10/14/94      23318         479       36  |
               |   1 DEF IN     1 09/08/94      22839         532       29  |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      22307         694       34  |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94      21613         387       28  |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      21226         249       28  |
 SERVICE       |   1 DEF IN     1 05/12/94      20977         235       36  |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      20742         119       28  |10.15
  13 L 1-5     |   1 DEF IN     1 03/09/94      20623          28       28  |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY     2925     391  | 7.481
  15 L 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3102000           SERVICE ADDRESS
 CUSTOMER NAME                      490     JARVIS DR                    BLDG #B
 WILTRON         +-----------------------------------------------------------+
                 | SERVICE   METER  DATE    READING   USED   ESTIMATE DAY    |
 OWNER NAME/ADD  |   1 DEF IN     1 03/07/95     35059        506 N     28   |
 WILTRON         |   1 DEF IN     1 02/07/95     34553        448 N     27   |
                 |   1 DEF IN     1 01/11/95     34105        365 N     35   |
 490      JARVI  |   1 DEF IN     1 12/07/94     33740        319 N     27   |
                 |   1 DEF IN     1 11/10/94     33421        302       27   |
                 |   1 DEF IN     1 10/14/94     33119        367       36   |
                 |   1 DEF IN     1 09/08/94     32752        317       29   |LTY 1.
 PROPERTY ID     |   1 DEF IN     1 08/10/94     32435        272       34   |APE
 SOC SECURITY #  |   1 DEF IN     1 07/07/94     32163        292       28   |
 CA DRIVERS LIC  |   1 DEF IN     1 06/09/94     31871        313       28   |
 SERVICE         |   1 DEF IN     1 05/12/94     31558        326       36   |L DUE
   1 DEF IN      |   1 DEF IN     1 04/06/94     31232        196       28   |67.70
   7 C  1-5      |   1 DEF IN     1 03/09/94     31036        170       28   |
   8 C 6-10      |            PRESS ESCAPE TO EXIT DISPLAY                   |
   9 C 11->      |                                         4193      391     |
                 +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0104702           SERVICE ADDRESS
 CUSTOMER NAME                      16840    JOLEEN WY                #B
 GLASS-TEK INDU+-----------------------------------------------------------+
               | SERVICE    METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95     6185              16 N    28 |
 GLASS-TEK INDU|   1 DEF IN     1 02/06/95     6169              24 N    28 |
               |   1 DEF IN     1 01/09/95     6145              13 N    35 |
 16840    JOLEE|   1 DEF IN     1 12/05/94     6132              12 N    27 |
               |   1 DEF IN     1 11/08/94     6120              14      28 |
               |   1 DEF IN     1 10/11/94     6106              15      35 |
               |   1 DEF IN     1 09/06/94     6091              10      29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/08/94     6081              13      33 |
 SOC SECURITY #|   1 DEF IN     1 07/06/94     6068              13      29 |
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94     6055              69      28 |
 SERVICE       |   1 DEF IN     1 05/10/94     5986             206      36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/04/94     5780             102      28 |10.70
   7 C  1-5    |   1 DEF IN     1 03/07/94     5678              72      28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY   ______   _____ |
   9 C 11->    |                                             579      392  |1.47
               +-----------------------------------------------------------+

 device     pf     basic    modes  22    18  COMMAND   file     HELP    EXIT
control    keys    config   keys    CN        LINE   transfer
                                  12:38       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0104802           SERVICE ADDRESS
 CUSTOMER NAME                      16860    JOLEEN WY
 PARKER        +-----------------------------------------------------------+
 DOROTHY       | SERVICE    METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95     2099               8 N    28 |
 PARKER        |   1 DEF IN     1 02/06/95     2091               8 N    28 |
 DOROTHY       |   1 DEF IN     1 01/09/95     2083               5 N    35 |
 16860    JOLEE|   1 DEF IN     1 12/05/94     2078               4 N    27 |
               |   1 DEF IN     1 11/08/94     2074               9      28 |
               |   1 DEF IN     1 10/11/94     2065               9      35 |
               |   1 DEF IN     1 09/06/94     2056               4      29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/08/94     2052              22      33 |APE
 SOC SECURITY #|   1 DEF IN     1 07/06/94     2030              11      29 |
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94     2019               8      28 |
 SERVICE       |   1 DEF IN     1 05/10/94     2011               9      36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/04/94     2002               3      28 |58.10
   7 C  1-5    |   1 DEF IN     1 03/07/94     1999               5      28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY   ______   _____ |
   9 C 11->    |                                             105      392  |0.268
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0105500             SERVICE ADDRESS
 CUSTOMER NAME                        16870    JOLEEN WY
 MORGAN HILL WA+----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95      2607            26 N     28 |
 MORGAN HILL WA|   1 DEF IN     1 02/06/95      2581            18 N     28 |
               |   1 DEF IN     1 01/09/95      2563            20 N     35 |
 16870    JOLEE|   1 DEF IN     1 12/05/94      2543            18 N     27 |
               |   1 DEF IN     1 11/08/94      2525            28       28 |
               |   1 DEF IN     1 10/11/94      2497            30       35 |
               |   1 DEF IN     1 09/06/94      2467            19       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/08/94      2448            45       33 |APE
 SOC SECURITY #|   1 DEF IN     1 07/06/94      2403            30       29 |
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94      2373            31       28 |
 SERVICE       |   1 DEF IN     1 05/10/94      2342            31       36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/04/94      2311            31       28 |40.8
   7 C  1-5    |   1 DEF IN     1 03/07/94      2280            24       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY   -----    -----  -----
   9 C 11->    |                                             351      392 |0.89
               +----------------------------------------------------+

 device     pf     basic    modes   22    18   COMMAND   file      HELP     EXIT
control    keys    config   keys     CN        LINE   transfer
                                   12:39       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0106300             SERVICE ADDRESS
 CUSTOMER NAME                        16840    JOLEEN WY                    #E
 BURT DEVELOPME+----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95     11319           102 N     28 |
 BURT DEVELOPME|   1 DEF IN     1 02/06/95     11217            99 N     28 |
               |   1 DEF IN     1 01/09/95     11118           124 N     35 |
 16840    JOLEE|   1 DEF IN     1 12/05/94     10994           109 N     27 |
               |   1 DEF IN     1 11/08/94     10885            93       28 |
               |   1 DEF IN     1 10/11/94     10792            92       35 |
               |   1 DEF IN     1 09/06/94     10700            70       29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/08/94     10630            78       33 |APE
 SOC SECURITY #|   1 DEF IN     1 07/06/94     10552           129       29 |
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94     10423           128       28 |
 SERVICE       |   1 DEF IN     1 05/10/94     10295            76       36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/04/94     10219            71       28 |19.20
   7 C  1-5    |   1 DEF IN     1 03/07/94     10148            60       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY   -----    -----  -----
   9 C 11->    |                                             1231     392 |3.14
               +----------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0106400             SERVICE ADDRESS
 CUSTOMER NAME                        16880    JOLEEN WY
 COUCH          +---------------------------------------------------------+
 WAYNE ET AL    | SERVICE    METER    DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD |   1 DEF IN      1 03/06/95        5491          14 N      28 |
 COUCH          |   1 DEF IN      1 02/06/95        5477          24 N      28 |
 WAYNE ET AL    |   1 DEF IN      1 01/09/95        5453          45 N      35 |
 16880    JOLEE |   1 DEF IN      1 12/05/94        5408          26 N      27 |
                |   1 DEF IN      1 11/08/94        5382          22        28 |
                |   1 DEF IN      1 10/11/94        5360          22        35 |
                |   1 DEF IN      1 09/06/94        5338          20        29 |LTY N
 PROPERTY ID    |   1 DEF IN      1 08/08/94        5318          39        33 |APE
 SOC SECURITY # |   1 DEF IN      1 07/06/94        5279          35        29 |
 CA DRIVERS LIC |   1 DEF IN      1 06/07/94        5244          24        28 |
 SERVICE        |   1 DEF IN      1 05/10/94        5220          35        36 |L DUE
   1 DEF IN     |   1 DEF IN      1 04/04/94        5185          35        28 |92.60
   7 C  1-5     |   1 DEF IN      1 03/07/94        5150          35        28 |
   8 C 6-10     |             PRESS ESCAPE TO EXIT DISPLAY       376       392 |
   9 C 11->     |                                                              |
                +---------------------------------------------------------+

 device     pf      basic     modes  22     18   COMMAND    file     HELP     EXIT
 control    keys    config    keys     CN         LINE    transfer
                                      12:40       CAPS
```

```
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0108702             SERVICE ADDRESS
 CUSTOMER NAME                        16840    JOLEEN WY BLDG A
 MORGAN HILL SU+---------------------------------------------------------+
                | SERVICE    METER    DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD |   1 DEF IN      1 03/06/95          80           1 N      28 |
 MORGAN HILL, S |   1 DEF IN      1 02/06/95          79           1 N      28 |
                |   1 DEF IN      1 01/09/95          78           1 N      35 |
 16840    JOLEE |   1 DEF IN      1 12/05/94          77           4 N      27 |
                |   1 DEF IN      1 11/08/94          73           2        28 |
                |   1 DEF IN      1 10/11/94          71           0        26 |
                |   1 DEF IN      1 09/15/94          71           0 N       0 |LTY N
 PROPERTY ID    |   1 DEF IN      1 09/15/94          71           0 N       0 |
 SOC SECURITY # |                                                 9       172 |
 CA DRIVERS LIC |                                                              |
 SERVICE        |                                                              |L DUE
   1 DEF IN     |                                                              |11.60
   7 C  1-5     |                                                              |
   8 C 6-10     |             PRESS ESCAPE TO EXIT DISPLAY                     |
   9 C 11->     |                                                              |
                +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502100           SERVICE ADDRESS
 CUSTOMER NAME                      15825    CONCORD CR-LANDSCAPE
 SNAP-ON-TOOLS +--------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN    1 01/26/95       8389               0 N     15 |
 SNAP-ON-TOOLS |  1 DEF IN    1 01/11/95       8389               0 N     36 |
               |  1 DEF IN    1 12/06/94       8389               0 N     25 |
 15825    CONCO|  1 DEF IN    1 11/11/94       8389            34         29 |
               |  1 DEF IN    1 10/13/94       8355            80         36 |
               |  1 DEF IN    1 09/07/94       8275            60         27 |
               |  1 DEF IN    1 08/11/94       8215            81         34 |LTY
 PROPERTY ID   |  1 DEF IN    1 07/08/94       8134            63         28 |APE
 SOC SECURITY #|  1 DEF IN    1 06/10/94       8071            21         30 |
 CA DRIVERS LIC|  1 DEF IN    1 05/11/94       8050            23         34 |
 SERVICE       |  1 DEF IN    1 04/07/94       8027            21         28 |L DU
   1 DEF IN    |  1 DEF IN    1 03/10/94       8006             9         28 | 0.0
  13 L 1-5     |  1 DEF IN    1 02/10/94       7997             0         28 |
  14 L 6-10    |           PRESS ESCAPE TO EXIT DISPLAY       392        378 |
  15 L 11->    |                                                           |
               +--------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN       LINE   transfer
                                    12:41      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502400           SERVICE ADDRESS
 CUSTOMER NAME                      15825    CONCORD CR-BLDG
 SNAP-ON-TOOLS +--------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN    1 01/26/95       1780              13 N     15 |
 SNAP-ON-TOOLS |  1 DEF IN    1 01/11/95       1767              32 N     36 |
               |  1 DEF IN    1 12/06/94       1735              25 N     25 |
 15825    CONCO|  1 DEF IN    1 11/11/94       1710            24         29 |
               |  1 DEF IN    1 10/13/94       1686            26         36 |
               |  1 DEF IN    1 09/07/94       1660            18         27 |
               |  1 DEF IN    1 08/11/94       1642            21         34 |LTY
 PROPERTY ID   |  1 DEF IN    1 07/08/94       1621            16         28 |APE
 SOC SECURITY #|  1 DEF IN    1 06/10/94       1605            18         30 |
 CA DRIVERS LIC|  1 DEF IN    1 05/11/94       1587            22         34 |
 SERVICE       |  1 DEF IN    1 04/07/94       1565            17         28 |L DUE
   1 DEF IN    |  1 DEF IN    1 03/10/94       1548            24         28 | 0.00
   7 C  1-5    |  1 DEF IN    1 02/10/94       1524            21         28 |
   8 C  6-10   |           PRESS ESCAPE TO EXIT DISPLAY       277        378 |
   9 C 11->    |                                                           |
               +--------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502501               SERVICE ADDRESS
 CUSTOMER NAME                          15555    CONCORD CR
 GOLDSMITH & LA+-----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/16/95      25283        161 N      9 |
 GOLDSMITH & LA|   1 DEF IN     1 02/07/95      25122          0 N     27 |
               |   1 DEF IN     1 01/11/95      25122          0 N     36 |
 15555    CONCO|   1 DEF IN     1 12/06/94      25122         15 N     25 |
               |   1 DEF IN     1 11/11/94      25107        142       29 |
               |   1 DEF IN     1 10/13/94      24965        176       36 |
 ERNIE HUGHES  |   1 DEF IN     1 09/07/94      24789        131       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94      24658        162       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94      24496        131       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94      24365        257       30 |
 SERVICE       |   1 DEF IN     1 05/11/94      24108        111       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94      23997         69       20 |38.79
   7 C  1-5    |   1 DEF IN     1 03/18/94      23928          0 N      0 |
   8 C 6-10    |          PRESS ESCAPE TO EXIT DISPLAY       1355     335 |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device    pf     basic    modes  22    18  COMMAND   file     HELP     EXIT
control    keys   config   keys     CN      LINE    transfer
                                  12:42     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502601               SERVICE ADDRESS
 CUSTOMER NAME                          15900    CONCORD CR
 PRODUCTS PLUS +-----------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95       4179         10 N     27 |
 PRODUCTS PLUS |   1 DEF IN     1 02/07/95       4169         10 N     27 |
               |   1 DEF IN     1 01/11/95       4159         14 N     36 |
 15900    CONCO|   1 DEF IN     1 12/06/94       4145          5 N     25 |
               |   1 DEF IN     1 11/11/94       4140         12       29 |
               |   1 DEF IN     1 10/13/94       4128         14       36 |
               |   1 DEF IN     1 09/07/94       4114         13       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94       4101         14       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94       4087         11       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94       4076         12       30 |
 SERVICE       |   1 DEF IN     1 05/11/94       4064         15       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94       4049         14       28 |73.00
   3 IN  1-5   |   1 DEF IN     1 03/10/94       4035         11       28 |
   4 IN 6-10   |          PRESS ESCAPE TO EXIT DISPLAY        155     389 |
   5 I 11-30   |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502702            SERVICE ADDRESS
 CUSTOMER NAME                       15875   CONCORD CR
 ULTRA PHASE PR+-----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       1578            8 N    27 |
 ULTRA PHASE PR|  1 DEF IN     1 02/07/95       1570            9 N    27 |
               |  1 DEF IN     1 01/11/95       1561            8 N    36 |
 15875    CONCO|  1 DEF IN     1 12/06/94       1553            6 N    25 |
               |  1 DEF IN     1 11/11/94       1547            8      29 |
               |  1 DEF IN     1 10/13/94       1539           10      36 |
               |  1 DEF IN     1 09/07/94       1529            7      27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94       1522            8      34 |APE
 SOC SECURITY #|  1 DEF IN     1 07/08/94       1514            7      28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94       1507            8      30 |
 SERVICE       |  1 DEF IN     1 05/11/94       1499            9      34 |L DU
   1 DEF IN    |  1 DEF IN     1 04/07/94       1490            7      28 |54.7
   7 C  1-5    |  1 DEF IN     1 03/10/94       1483            5      28 |
   8 C 6-10    |          PRESS ESCAPE TO EXIT DISPLAY        100     389 |
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf     basic     modes  22    18   COMMAND   file     HELP     EXIT
control    keys    config    keys    CN        LINE    transfer
                                    12:42      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502800            SERVICE ADDRESS
 CUSTOMER NAME                       15005   CONCORD CR
 REDLAKE CAMERA+-----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95      15562           52 N    27 |
 REDLAKE CAMERA|  1 DEF IN     1 02/07/95      15510            5 N    27 |
               |  1 DEF IN     1 01/11/95      15505           12 N    36 |
 15005    CONCO|  1 DEF IN     1 12/06/94      15493            6 N    25 |
               |  1 DEF IN     1 11/11/94      15487           40      29 |
               |  1 DEF IN     1 10/13/94      15447          123      36 |
               |  1 DEF IN     1 09/07/94      15324          127      27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/11/94      15197          193      34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94      15004          141      28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94      14863           87      30 |
 SERVICE       |  1 DEF IN     1 05/11/94      14776           88      34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94      14688           68      28 |91.73
   7 C  1-5    |  1 DEF IN     1 03/10/94      14620           27      28 |
   8 C 6-10    |          PRESS ESCAPE TO EXIT DISPLAY        769     387 |
   9 C 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2502901             SERVICE ADDRESS
 CUSTOMER NAME                        15600    CONCORD CR-BLDG
 MH UNIFIED SCH+---------------------------------------------------+
               | SERVICE   METER   DATE    READING   USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95       2816         16 N     27 |
 MH UNIFIED SCH|   1 DEF IN     1 02/07/95       2800         17 N     27 |
               |   1 DEF IN     1 01/11/95       2783         17 N     36 |
 15600    CONCO|   1 DEF IN     1 12/06/94       2766         13 N     25 |
               |   1 DEF IN     1 11/11/94       2753         17       29 |
               |   1 DEF IN     1 10/13/94       2736         23       36 |
               |   1 DEF IN     1 09/07/94       2713         17       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94       2696         16       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94       2680         17       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94       2663         18       30 |
 SERVICE       |   1 DEF IN     1 05/11/94       2645         22       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94       2623         15       28 |84.10
   7 C  1-5    |   1 DEF IN     1 03/10/94       2608         16       28 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY   224      389 |
   9 C 11->    |                                                          |
               +---------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN        LINE   transfer
                                    12:43       CAPS
```

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503101             SERVICE ADDRESS
 CUSTOMER NAME                        15875    CONCORD CR-GROUNDS
 LAWRENCE      +---------------------------------------------------+
 TONY          | SERVICE   METER   DATE    READING   USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95       7781          0 N     27 |
 LAWRENCE      |   1 DEF IN     1 02/07/95       7781          0 N     27 |
 TONY          |   1 DEF IN     1 01/11/95       7781          0 N     36 |
 15875    CONCO|   1 DEF IN     1 12/06/94       7781          0 N     25 |
               |   1 DEF IN     1 11/11/94       7781         85       29 |
               |   1 DEF IN     1 10/13/94       7696         85       36 |
               |   1 DEF IN     1 09/07/94       7611         51       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94       7560         58       34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/08/94       7502         47       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94       7455         34       30 |
 SERVICE       |   1 DEF IN     1 05/11/94       7421         19       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94       7402          1       28 |35.12
  13 L 1-5     |   1 DEF IN     1 03/10/94       7401          6       28 |
  14 L 6-10    |              PRESS ESCAPE TO EXIT DISPLAY   386      389 |
  15 L 11->    |                                                          |
               +---------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503200            SERVICE ADDRESS
 CUSTOMER NAME                       15130    CONCORD CR
 SPECIALIZED BI+-----------------------------------------------------------+
               | SERVICE   METER  DATE    READING   USED   ESTIMATE DAY   |
 OWNER NAME/ADD|   1 DEF IN    1 03/06/95     19326           40 N     27   |
 SPECIALIZED BI|   1 DEF IN    1 02/07/95     19286           36 N     27   |
               |   1 DEF IN    1 01/11/95     19250           48 N     36   |
 15130    CONCO|   1 DEF IN    1 12/06/94     19202           42 N     25   |
               |   1 DEF IN    1 11/11/94     19160           47       29   |
               |   1 DEF IN    1 10/13/94     19113           77       36   |
               |   1 DEF IN    1 09/07/94     19036           38       27   |LTY
 PROPERTY ID   |   1 DEF IN    1 08/11/94     18998           71       34   |APE
 SOC SECURITY #|   1 DEF IN    1 07/08/94     18927           44       28   |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94     18883           49       30   |
 SERVICE       |   1 DEF IN    1 05/11/94     18834           68       34   |L DU
   1 DEF IN    |   1 DEF IN    1 04/07/94     18766           47       28   |44.2
   7 C  1-5    |   1 DEF IN    1 03/10/94     18719           48       28   |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY     655      389   |
   9 C 11->    |                                                            |
               +-----------------------------------------------------------+

 device     pf      basic     modes  22    18  COMMAND   file      HELP     EXIT
control    keys     config    keys      CN      LINE   transfer
                                     12:43      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503403            SERVICE ADDRESS
 CUSTOMER NAME                       15750    CONCORD CR
 SPECIALIZED BI+-----------------------------------------------------------+
               | SERVICE   METER  DATE    READING   USED   ESTIMATE DAY   |
 OWNER NAME/ADD|   1 DEF IN    1 03/06/95     19954           43 N     27   |
 SPECIALIZED BI|   1 DEF IN    1 02/07/95     19911           90 N     27   |
               |   1 DEF IN    1 01/11/95     19821          171 N     36   |
 15750    CONCO|   1 DEF IN    1 12/06/94     19650          102 N     25   |
               |   1 DEF IN    1 11/11/94     19548          145       29   |
               |   1 DEF IN    1 10/13/94     19403          347       36   |
               |   1 DEF IN    1 09/07/94     19056          122 Y     27   |LTY
 PROPERTY ID   |   1 DEF IN    1 08/11/94     18934          122 Y     34   |
 SOC SECURITY #|   1 DEF IN    1 07/08/94     18812          127       28   |
 CA DRIVERS LIC|   1 DEF IN    1 06/10/94     18685          107       30   |
 SERVICE       |   1 DEF IN    1 05/11/94     18578          132       34   |L DU
   1 DEF IN    |   1 DEF IN    1 04/07/94     18446           42       28   |52.20
   7 C  1-5    |   1 DEF IN    1 03/10/94     18404           64       28   |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY    1614      387   |
   9 C 11->    |                                                            |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503500              SERVICE ADDRESS
 CUSTOMER NAME                         15130    CONCORD CR
 SPECIALIZED BI+--------------------------------------------------+
               | SERVICE   METER   DATE    READING   USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95     11686          9 N      27 |
 SPECIALIZED BI|   1 DEF IN     1 02/07/95     11677        112 N      27 |
               |   1 DEF IN     1 01/11/95     11565        217 N      36 |
 15130    CONCO|   1 DEF IN     1 12/06/94     11348        147 N      25 |
               |   1 DEF IN     1 11/11/94     11201        176        29 |
               |   1 DEF IN     1 10/13/94     11025        222        36 |
               |   1 DEF IN     1 09/07/94     10803        165        27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94     10638        260        34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/08/94     10378        220        28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94     10158        203        30 |
 SERVICE       |   1 DEF IN     1 05/11/94      9955        223        34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94      9732         66        28 |22.10
  13 L 1-5     |   1 DEF IN     1 03/10/94      9666          0        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY   2020       389 |
  15 L 11->    |                                                          |
               +----------------------------------------------------------+

 device     pf     basic     modes   22     18    COMMAND    file     HELP     EXIT
control    keys    config    keys     CN          LINE     transfer
                                    12:44         CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503503              SERVICE ADDRESS
 CUSTOMER NAME                         15500    CONCORD CR-LANDSCAPE
 MELVIN C. DILL+--------------------------------------------------+
               | SERVICE   METER   DATE    READING   USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95      9785          5 N      27 |
 MELVIN C. DILL|   1 DEF IN     1 02/07/95      9780          0 N      27 |
               |   1 DEF IN     1 01/11/95      9780         18 N      36 |
 15500    CONCO|   1 DEF IN     1 12/06/94      9762         41 N      25 |
               |   1 DEF IN     1 11/11/94      9721         38        29 |
               |   1 DEF IN     1 10/13/94      9683         96        36 |
               |   1 DEF IN     1 09/07/94      9587         75        27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94      9512         86        34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/08/94      9426         70        28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94      9356         69        30 |
 SERVICE       |   1 DEF IN     1 05/11/94      9287         49        34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94      9238         40        28 |18.10
  13 L 1-5     |   1 DEF IN     1 03/10/94      9198          7        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY    594       389 |
  15 L 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503603           SERVICE ADDRESS
 CUSTOMER NAME                      15500    CONCORD CR
 MELVIN C. DILL+--------------------------------------------------+
 .              | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |   1 DEF IN     1 03/06/95      5358        22 N       27 |
 MELVIN C. DILL |   1 DEF IN     1 02/07/95      5336        41 N       27 |
                |   1 DEF IN     1 01/11/95      5295        18 N       36 |
 15500    CONCO |   1 DEF IN     1 12/06/94      5277        14 N       25 |
                |   1 DEF IN     1 11/11/94      5263        21         29 |
                |   1 DEF IN     1 10/13/94      5242        26         36 |
                |   1 DEF IN     1 09/07/94      5216        19         27 |LTY I
 PROPERTY ID    |   1 DEF IN     1 08/11/94      5197        24         34 |APE
 SOC SECURITY # |   1 DEF IN     1 07/08/94      5173        18         28 |
 CA DRIVERS LIC |   1 DEF IN     1 06/10/94      5155        17         30 |
 SERVICE        |   1 DEF IN     1 05/11/94      5138        28         34 |L DU
   1 DEF IN     |   1 DEF IN     1 04/07/94      5110        22         28 |36.7
   7 C  1-5     |   1 DEF IN     1 03/10/94      5088        17         28 |
   8 C 6-10     |           PRESS ESCAPE TO EXIT DISPLAY    287        389 |
   9 C 11->     |                                                     |
                +--------------------------------------------------+

 device     pf      basic     modes  22    18   COMMAND   file     HELP     EXIT
control    keys    config    keys     CN        LINE   transfer
                                     12:44      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503800           SERVICE ADDRESS
 CUSTOMER NAME                      15940    CONCORD CR
 MELVIN C DILL +--------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |   1 DEF IN     1 03/06/95      2188        19 N       27 |
 MELVIN C DILL  |   1 DEF IN     1 02/07/95      2169        14 N       27 |
                |   1 DEF IN     1 01/11/95      2155        15 N       36 |
 15940    CONCO |   1 DEF IN     1 12/06/94      2140        10 N       25 |
                |   1 DEF IN     1 11/11/94      2130        14         29 |
                |   1 DEF IN     1 10/13/94      2116        37         36 |
                |   1 DEF IN     1 09/07/94      2079        14         27 |LTY N
 PROPERTY ID    |   1 DEF IN     1 08/11/94      2065        19         34 |APE
 SOC SECURITY # |   1 DEF IN     1 07/08/94      2046        11         28 |
 CA DRIVERS LIC |   1 DEF IN     1 06/10/94      2035        15         30 |
 SERVICE        |   1 DEF IN     1 05/11/94      2020        20         34 |L DUE
   1 DEF IN     |   1 DEF IN     1 04/07/94      2000        18         28 |19.94
   7 C  1-5     |   1 DEF IN     1 03/10/94      1982        16         28 |
   8 C 6-10     |           PRESS ESCAPE TO EXIT DISPLAY    222        389 |
   9 C 11->     |                                                     |
                +--------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2503900             SERVICE ADDRESS
 CUSTOMER NAME                        15940    CONCORD CR-LAND
 MELVIN DILL GR+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN     1 03/06/95      8485             1 N     27 |
 MELVIN DILL GR|   1 DEF  IN     1 02/07/95      8484             0 N     27 |
               |   1 DEF  IN     1 01/11/95      8484             2 N     36 |
 15940    CONCO|   1 DEF  IN     1 12/06/94      8482            34 N     25 |
               |   1 DEF  IN     1 11/11/94      8448           121       29 |
               |   1 DEF  IN     1 10/13/94      8327           150       36 |
               |   1 DEF  IN     1 09/07/94      8177           112       27 |LTY N
 PROPERTY ID   |   1 DEF  IN     1 08/11/94      8065           136       34 |APE
 SOC SECURITY #|   1 DEF  IN     1 07/08/94      7929           117       28 |
 CA DRIVERS LIC|   1 DEF  IN     1 06/10/94      7812            75       30 |
 SERVICE       |   1 DEF  IN     1 05/11/94      7737            70       34 |L DUE
   1 DEF IN    |   1 DEF  IN     1 04/07/94      7667            62       28 |27.88
  13 L 1-5     |   1 DEF  IN     1 03/10/94      7605            61       28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY       941      389 |
  15 L 11->    |                                                             |
               +-------------------------------------------------------+

 device     pf     basic     modes  22     18   COMMAND    file      HELP     EXIT
 control    keys   config    keys     CN          LINE    transfer
                                      12:45       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504001             SERVICE ADDRESS
 CUSTOMER NAME                        15600    CONCORD CR-LANDSCAPE
 ]H UNIFIED SCH+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN     1 03/06/95      7322             0 N     27 |
 ]H UNIFIED SCH|   1 DEF  IN     1 02/07/95      7322             0 N     27 |
               |   1 DEF  IN     1 01/11/95      7322             0 N     36 |
 15600    CONCO|   1 DEF  IN     1 12/06/94      7322             0 N     25 |
               |   1 DEF  IN     1 11/11/94      7322            92       29 |
               |   1 DEF  IN     1 10/13/94      7230           258       36 |
               |   1 DEF  IN     1 09/07/94      6972           194       27 |LTY N
 PROPERTY ID   |   1 DEF  IN     1 08/11/94      6778           184       34 |
 SOC SECURITY #|   1 DEF  IN     1 07/08/94      6594           127       28 |
 CA DRIVERS LIC|   1 DEF  IN     1 06/10/94      6467           147       30 |
 SERVICE       |   1 DEF  IN     1 05/11/94      6320           161       34 |L DUE
   1 DEF IN    |   1 DEF  IN     1 04/07/94      6159            96       28 |13.10
  13 L 1-5     |   1 DEF  IN     1 03/10/94      6063             0       28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY      1259      389 |
  15 L 11->    |                                                             |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504301            SERVICE ADDRESS
 CUSTOMER NAME                       15555    CONCORD CR
 GOLDSMITH & LA+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/16/95      1460          15 N      9 |
 GOLDSMITH & LA|  1 DEF IN     1 02/07/95      1445          45 N     27 |
               |  1 DEF IN     1 01/11/95      1400          59 N     36 |
 15555    CONCO|  1 DEF IN     1 12/06/94      1341          36 N     25 |
               |  1 DEF IN     1 11/11/94      1305           1       29 |
               |  1 DEF IN     1 10/13/94      1304           0       36 |
 ERNIE HUGHES  |  1 DEF IN     1 09/07/94      1304           1       27 |LTY 
 PROPERTY ID   |  1 DEF IN     1 08/11/94      1303           0       34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94      1303           0       28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94      1303          12       30 |
 SERVICE       |  1 DEF IN     1 05/11/94      1291           2       34 |L DU
   1 DEF IN    |  1 DEF IN     1 04/07/94      1289           2       20 |09.7
   7 C  1-5    |  1 DEF IN     1 03/18/94      1287          ~~0~~ N      0 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY    123      335 |
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf    basic     modes  22    18   COMMAND   file     HELP     EXIT
control    keys   config    keys     CN       LINE    transfer
                                   12:46      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504401            SERVICE ADDRESS
 CUSTOMER NAME                       15555    CONCORD CR
 GOLDSMITH & LA+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/16/95     14420           0 N      9 |
 GOLDSMITH & LA|  1 DEF IN     1 02/07/95     14420          50 N     27 |
               |  1 DEF IN     1 01/11/95     14370           1 N     36 |
 15555    CONCO|  1 DEF IN     1 12/06/94     14369          63 N     25 |
               |  1 DEF IN     1 11/11/94     14306         373       29 |
               |  1 DEF IN     1 10/13/94     13933         448       36 |
               |  1 DEF IN     1 09/07/94     13485         333       27 |LTY 
 PROPERTY ID   |  1 DEF IN     1 08/11/94     13152         415       34 |
 SOC SECURITY #|  1 DEF IN     1 07/08/94     12737         285       28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94     12452           0       30 |
 SERVICE       |  1 DEF IN     1 05/11/94     12452           0       34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94     12452           0       20 |56.55
   7 C  1-5    |  1 DEF IN     1 03/18/94     12452           0 N      0 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY   1968      335 |
   9 C 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504700            SERVICE ADDRESS
 CUSTOMER NAME                       15920    CONCORD CR
 F.E.T. TEST    +-----------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 03/06/95       577          20 N     27 |
 F.E.T. TEST    |  1 DEF IN     1 02/07/95       557          12 N     27 |
                |  1 DEF IN     1 01/11/95       545           8 N     36 |
 15920    CONCO |  1 DEF IN     1 12/06/94       537           6 N     25 |
                |  1 DEF IN     1 11/11/94       531          14        29 |
                |  1 DEF IN     1 10/13/94       517          13        36 |
                |  1 DEF IN     1 09/07/94       504           6        27 |LTY N
 PROPERTY ID    |  1 DEF IN     1 08/11/94       498           9        34 |APE
 SOC SECURITY # |  1 DEF IN     1 07/08/94       489           4        28 |
 CA DRIVERS LIC |  1 DEF IN     1 06/10/94       485           5        30 |
 SERVICE        |  1 DEF IN     1 05/11/94       480           7        34 |L DUE
   1 DEF IN     |  1 DEF IN     1 04/07/94       473           6        28 |37.55
   7 C  1-5     |  1 DEF IN     1 03/10/94       467           5        28 |
   8 C 6-10     |            PRESS ESCAPE TO EXIT DISPLAY    115       389 |
   9 C 11->     |                                                     |
                +-----------------------------------------------------+

 device     pf      basic     modes   22     18   COMMAND    file     HELP      EXIT
control    keys    config     keys    CN          LINE    transfer
                                     12:46        CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2504800            SERVICE ADDRESS
 CUSTOMER NAME                       15920    CONCORD CR-LAND
 F.E.T. TEST    +-----------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD |  1 DEF IN     1 03/06/95      6227           0 N     27 |
 F.E.T. TEST    |  1 DEF IN     1 02/07/95      6227           0 N     27 |
                |  1 DEF IN     1 01/11/95      6227           0 N     36 |
 15920    CONCO |  1 DEF IN     1 12/06/94      6227           0 N     25 |
                |  1 DEF IN     1 11/11/94      6227         77         29 |
                |  1 DEF IN     1 10/13/94      6150        152         36 |
                |  1 DEF IN     1 09/07/94      5998        124         27 |LTY N
 PROPERTY ID    |  1 DEF IN     1 08/11/94      5874        156         34 |APE
 SOC SECURITY # |  1 DEF IN     1 07/08/94      5718        128         28 |
 CA DRIVERS LIC |  1 DEF IN     1 06/10/94      5590        137         30 |
 SERVICE        |  1 DEF IN     1 05/11/94      5453        156         34 |L DUE
   1 DEF IN     |  1 DEF IN     1 04/07/94      5297         69         28 | 8.15
  13 L 1-5      |  1 DEF IN     1 03/10/94      5228          0         28 |
  14 L 6-10     |            PRESS ESCAPE TO EXIT DISPLAY    999       389 |
  15 L 11->     |                                                     |
                +-----------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2506000            SERVICE ADDRESS
 CUSTOMER NAME                       15105    CONCORD CR-BLDG
 SEAGULL INDUST+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95       441            12 N     27 |
 SEAGULL INDUST|  1 DEF IN     1 02/07/95       429            12 N     27 |
               |  1 DEF IN     1 01/11/95       417            12 N     36 |
 15105    CONCO|  1 DEF IN     1 12/06/94       405             8 N     25 |
               |  1 DEF IN     1 11/11/94       397            10       29 |
               |  1 DEF IN     1 10/13/94       387            13       36 |
               |  1 DEF IN     1 09/07/94       374             8       27 |LTY ]
 PROPERTY ID   |  1 DEF IN     1 08/11/94       366            14       34 |APE
 SOC SECURITY #|  1 DEF IN     1 07/08/94       352            10       28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94       342            12       30 |
 SERVICE       |  1 DEF IN     1 05/11/94       330            14       34 |L DU
   1 DEF IN    |  1 DEF IN     1 04/07/94       316            13       28 |59.7
   7 C  1-5    |  1 DEF IN     1 03/10/94       303            13       28 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->    |                                          151      389     |
               +-------------------------------------------------------+

 device     pf     basic     modes  22    18   COMMAND    file     HELP     EXIT
control    keys    config    keys    CN        LINE    transfer
                                    12:47      CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2506100            SERVICE ADDRESS
 CUSTOMER NAME                       15105    CONCORD CR-LAND
 SEAGULL INDUST+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/06/95      2857             2 N     27 |
 SEAGULL INDUST|  1 DEF IN     1 02/07/95      2855             0 N     27 |
               |  1 DEF IN     1 01/11/95      2855             3 N     36 |
 15105    CONCO|  1 DEF IN     1 12/06/94      2852             2 N     25 |
               |  1 DEF IN     1 11/11/94      2850           43        29 |
               |  1 DEF IN     1 10/13/94      2807           57        36 |
               |  1 DEF IN     1 09/07/94      2750           61        27 |LTY I
 PROPERTY ID   |  1 DEF IN     1 08/11/94      2689           57        34 |APE
 SOC SECURITY #|  1 DEF IN     1 07/08/94      2632           54        28 |
 CA DRIVERS LIC|  1 DEF IN     1 06/10/94      2578           45        30 |
 SERVICE       |  1 DEF IN     1 05/11/94      2533           43        34 |L DUE
   1 DEF IN    |  1 DEF IN     1 04/07/94      2490           43        28 |10.15
  13 L 1-5     |  1 DEF IN     1 03/10/94      2447           37        28 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY    447       389 |
  15 L 11->    |                                                           |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  2506700              SERVICE ADDRESS
 CUSTOMER NAME                         15900    CONCORD CR-LANDSCAPE
 PRODUCTS PLUS +----------------------------------------------------------+
               | SERVICE    METER   DATE     READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95       1312            80 N     27 |
 PRODUCTS PLUS |   1 DEF IN     1 02/07/95       1232             0 N     27 |
               |   1 DEF IN     1 01/11/95       1232             0 N     36 |
 15900    CONCO|   1 DEF IN     1 12/06/94       1232            19 N     25 |
 MORGAN HILL, C|   1 DEF IN     1 11/11/94       1213           142       29 |
 95037         |   1 DEF IN     1 10/13/94       1071           132       36 |
 C/O WCC BLDG  |   1 DEF IN     1 09/07/94        939           123       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/11/94        816           123       34 |
 SOC SECURITY #|   1 DEF IN     1 07/08/94        693           120       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/10/94        573           110       30 |
 SERVICE       |   1 DEF IN     1 05/11/94        463           115       34 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/07/94        348            66       28 |59.15
  13 L 1-5     |   1 DEF IN     1 03/10/94        282            71       28 |
  14 L 6-10    |                PRESS ESCAPE TO EXIT DISPLAY    1101        |
  15 L 11->    |                                                         389 |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3102900              SERVICE ADDRESS
 CUSTOMER NAME                         130      COCHRANE PLAZA           D-SHOPS
 KINNEY SHOE #1+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95       244             3 N     28  |
 KINNEY SHOE #1|   1 DEF IN     1 02/07/95       241             3 N     27  |
               |   1 DEF IN     1 01/11/95       238             8 N     35  |
 130      COCHR|   1 DEF IN     1 12/07/94       230             4 N     27  |
               |   1 DEF IN     1 11/10/94       226             3       27  |
               |   1 DEF IN     1 10/14/94       223             4       36  |
               |   1 DEF IN     1 09/08/94       219             5       29  |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94       214             5       34  |
 SOC SECURITY #|   1 DEF IN     1 07/07/94       209             3       28  |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94       206             6       28  |
 SERVICE       |   1 DEF IN     1 05/12/94       200             5       36  |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94       195             3       28  |30.24
   7 C  1-5    |   1 DEF IN     1 03/09/94       192             3       28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY        55           |
   9 C 11->    |                                                        391  |
               +-----------------------------------------------------------+

 device     pf     basic     modes  22    18   COMMAND   file      HELP      EXIT
control    keys    config    keys    CN        LINE    transfer
                                    13:15      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  3103000              SERVICE ADDRESS
 CUSTOMER NAME                         140      COCHRANE PLAZA           "ROSS"
 ROSS STORES IN+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95       614             9 N     28  |
 ROSS STORES IN|   1 DEF IN     1 02/07/95       605             9 N     27  |
               |   1 DEF IN     1 01/11/95       596            14 N     35  |
 140      COCHR|   1 DEF IN     1 12/07/94       582            11 N     27  |
               |   1 DEF IN     1 11/10/94       571            10       27  |
               |   1 DEF IN     1 10/14/94       561            28       36  |
               |   1 DEF IN     1 09/08/94       533            16       29  |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94       517            15       34  |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94       502            15       28  |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94       487            11       28  |
 SERVICE       |   1 DEF IN     1 05/12/94       476            13       36  |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94       463            11       28  |52.40
   7 C  1-5    |   1 DEF IN     1 03/09/94       452            20       28  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY       182           |
   9 C 11->    |                                                        391  |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5404001            SERVICE ADDRESS
 CUSTOMER NAME                       154      COCHRANE RD                BLDG F
 FHS ASSOC MHLP+----------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 03/07/95        834               13 N     28 |
 FHS ASSOC MHLP|  1 DEF IN     1 02/07/95        821               12 N     25 |
               |  1 DEF IN     1 01/13/95        809                0 N      0 |
 154     COCHR |  1 DEF IN     1 01/13/95        809                0 N      0 |
               |                                                   25       53 |
               |                                                               | LTY N
 PROPERTY ID   |                                                               |
 SOC SECURITY #|                                                               |
 CA DRIVERS LIC|                                                               |
 SERVICE       |                                                               | L DUE
   1 DEF IN    |                                                               | 67.00
   7 C  1-5    |                                                               |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                       |
   9 C 11->    |                                                               |
               +---------------------------------------------------------------+

 device     pf     basic     modes  22     18   COMMAND   file      HELP      EXIT
control    keys    config    keys     CN          LINE   transfer
                                     13:15        CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5404000            SERVICE ADDRESS
 CUSTOMER NAME                       154      COCHRANE RD                BLDG F
 PARKLAND PROPE+----------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 01/13/95        809                6 N     37 |
 PARKLAND PROPE|  1 DEF IN     1 12/07/94        803                4 N     27 |
               |  1 DEF IN     1 11/10/94        799                9       27 |
 154     COCHR |  1 DEF IN     1 10/14/94        790               15       36 |
               |  1 DEF IN     1 09/08/94        775               13       29 |
               |  1 DEF IN     1 08/10/94        762               18       34 |
               |  1 DEF IN     1 07/07/94        744               10       28 | LTY N
 PROPERTY ID   |  1 DEF IN     1 06/09/94        734                7       28 |
 SOC SECURITY #|  1 DEF IN     1 05/12/94        727                9       36 |
 CA DRIVERS LIC|  1 DEF IN     1 04/06/94        718                5       28 |
 SERVICE       |  1 DEF IN     1 03/09/94        713               10       28 | L DUE
   1 DEF IN    |  1 DEF IN     1 02/09/94        703               12       28 |  0.00
   7 C  1-5    |  1 DEF IN     1 01/12/94        691                8          |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                   366 |
   9 C 11->    |                                                  126          |
               +---------------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5104400              SERVICE ADDRESS
 CUSTOMER NAME                                   SUTTER BLVD-FOUNTAIN
 COCHRANE BUS R+-----------------------------------------------------------+
               | SERVICE    METER    DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN      1 03/07/95        4365             27 N      27 |
 COCHRANE BUS R|   1 DEF IN      1 02/08/95        4338             24 N      28 |
               |   1 DEF IN      1 01/11/95        4314             35 N      35 |
          SUTTE|   1 DEF IN      1 12/07/94        4279             28 N      27 |
               |   1 DEF IN      1 11/10/94        4251             22        27 |
               |   1 DEF IN      1 10/14/94        4229             40        36 |
               |   1 DEF IN      1 09/08/94        4189             66        29 | LTY
 PROPERTY ID   |   1 DEF IN      1 08/10/94        4123             71        34 | APE
 SOC SECURITY #|   1 DEF IN      1 07/07/94        4052             43        28 |
 CA DRIVERS LIC|   1 DEF IN      1 06/09/94        4009             73        28 |
 SERVICE       |   1 DEF IN      1 05/12/94        3936             62        36 | L DU
   1 DEF IN    |   1 DEF IN      1 04/06/94        3874             56        28 | 58.1
  13 L 1-5     |   1 DEF IN      1 03/09/94        3818             78        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY           625       391 |
  15 L 11->    |                                                               |
               +---------------------------------------------------------------+

 device     pf      basic     modes  22     18  COMMAND   file     HELP     EXIT
control    keys     config    keys     CN         LINE   transfer
                                     13:16        CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5104500              SERVICE ADDRESS
 CUSTOMER NAME                                   SUTTER BLVD #9-LAND
 COCHRANE BUS R+-----------------------------------------------------------+
               | SERVICE    METER    DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN      1 03/07/95       13124             17 N      27 |
 COCHRANE BUS R|   1 DEF IN      1 02/08/95       13107              0 N      28 |
               |   1 DEF IN      1 01/11/95       13107              8 N      35 |
          SUTTE|   1 DEF IN      1 12/07/94       13099              7 N      27 |
               |   1 DEF IN      1 11/10/94       13092             73        27 |
               |   1 DEF IN      1 10/14/94       13019            213        36 |
               |   1 DEF IN      1 09/08/94       12806            376        29 | LTY I
 PROPERTY ID   |   1 DEF IN      1 08/10/94       12430            421        34 | APE
 SOC SECURITY #|   1 DEF IN      1 07/07/94       12009            234        28 |
 CA DRIVERS LIC|   1 DEF IN      1 06/09/94       11775            184        28 |
 SERVICE       |   1 DEF IN      1 05/12/94       11591            188        36 | L DUI
   1 DEF IN    |   1 DEF IN      1 04/06/94       11403             33        28 | 38.10
  13 L 1-5     |   1 DEF IN      1 03/09/94       11370             12        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                         |
  15 L 11->    |                                                               |
               +---------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5104700           SERVICE ADDRESS
 CUSTOMER NAME                               SUTTER BLVD #8-LAND
 COCHRANE BUS R+---------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      7446            9 N      27 |
 COCHRANE BUS R|   1 DEF IN     1 02/08/95      7437            0 N      28 |
               |   1 DEF IN     1 01/11/95      7437            5 N      35 |
          SUTTE|   1 DEF IN     1 12/07/94      7432            3 N      27 |
               |   1 DEF IN     1 11/10/94      7429           39        27 |
               |   1 DEF IN     1 10/14/94      7390          106        36 |
               |   1 DEF IN     1 09/08/94      7284          168        29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      7116          179        34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94      6937          109        28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      6828           88        28 |
 SERVICE       |   1 DEF IN     1 05/12/94      6740           99        36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      6641           18        28 |22.10
  13 L 1-5     |   1 DEF IN     1 03/09/94      6623            7        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                    |
  15 L 11->    |                                                            |
               +---------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN       LINE   transfer
                                    13:17      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5105300           SERVICE ADDRESS
 CUSTOMER NAME                               SUTTER BLVD #1-LAND
 COCHRANE BUS R+---------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95      8604           14 N      27 |
 COCHRANE BUS R|   1 DEF IN     1 02/08/95      8590            0 N      28 |
               |   1 DEF IN     1 01/11/95      8590           13 N      35 |
          SUTTE|   1 DEF IN     1 12/07/94      8577           16 N      27 |
               |   1 DEF IN     1 11/10/94      8561           92        27 |
               |   1 DEF IN     1 10/14/94      8469          181        36 |
               |   1 DEF IN     1 09/08/94      8288          313        29 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/10/94      7975          259        34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94      7716          151        28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94      7565          154        28 |
 SERVICE       |   1 DEF IN     1 05/12/94      7411          180        36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/06/94      7231           42        28 |32.10
  13 L 1-5     |   1 DEF IN     1 03/09/94      7189           16        28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                    |
  15 L 11->    |                                                            |
               +---------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5105400              SERVICE ADDRESS
 CUSTOMER NAME                         18630    SUTTER BLVD-LAND
 DIVERSIFIED SO+-----------------------------------------------------------+
               | SERVICE    METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95       11679            11 N     27 |
 DIVERSIFIED SO|   1 DEF IN     1 02/08/95       11668             0 N     28 |
               |   1 DEF IN     1 01/11/95       11668             8 N     35 |
 18630    SUTTE|   1 DEF IN     1 12/07/94       11660            13 N     27 |
               |   1 DEF IN     1 11/10/94       11647            80       27 |
               |   1 DEF IN     1 10/14/94       11567           156       36 |
               |   1 DEF IN     1 09/08/94       11411           256       29 |LTY :
 PROPERTY ID   |   1 DEF IN     1 08/10/94       11155           266       34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94       10889           142       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94       10747           124       28 |
 SERVICE       |   1 DEF IN     1 05/12/94       10623           146       36 |L DU
   1 DEF IN    |   1 DEF IN     1 04/06/94       10477            35       28 |26.1
  13 L 1-5     |   1 DEF IN     1 03/09/94       10442             9       28 |
  14 L 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                      |
  15 L 11->    |                                                              |
               +-----------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file      HELP     EXIT
control    keys    config    keys     CN       LINE    transfer
                                    13:17      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5105500              SERVICE ADDRESS
 CUSTOMER NAME                         18630    SUTTER BLVD                 BLDG
 DIVERSIFIED SO+-----------------------------------------------------------+
               | SERVICE    METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/07/95        1275            10 N     27 |
 DIVERSIFIED SO|   1 DEF IN     1 02/08/95        1265            12 N     28 |
               |   1 DEF IN     1 01/11/95        1253            13 N     35 |
 18630    SUTTE|   1 DEF IN     1 12/07/94        1240             8 N     27 |
               |   1 DEF IN     1 11/10/94        1232             8       27 |
               |   1 DEF IN     1 10/14/94        1224            15       36 |
               |   1 DEF IN     1 09/08/94        1209            10       29 |LTY I
 PROPERTY ID   |   1 DEF IN     1 08/10/94        1199            14       34 |APE
 SOC SECURITY #|   1 DEF IN     1 07/07/94        1185            10       28 |
 CA DRIVERS LIC|   1 DEF IN     1 06/09/94        1175            12       28 |
 SERVICE       |   1 DEF IN     1 05/12/94        1163            14       36 |L DUI
   1 DEF IN    |   1 DEF IN     1 04/06/94        1149            14       28 |68.05
   7 C  1-5    |   1 DEF IN     1 03/09/94        1135            12       28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                      |
   9 C 11->    |                                                              |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5108400             SERVICE ADDRESS
 CUSTOMER NAME                        18640    SUTTER BLVD
 T.B.I.         +----------------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD |   1 DEF IN    1 03/07/95       217           8 N      28 |
 T.B.I.         |   1 DEF IN    1 02/07/95       209           7 N      27 |
                |   1 DEF IN    1 01/11/95       202          11 N      35 |
 18640    SUTTE |   1 DEF IN    1 12/07/94       191           4        27 |
                |   1 DEF IN    1 11/10/94       187           8        27 |
                |   1 DEF IN    1 10/14/94       179          17        36 |
                |   1 DEF IN    1 09/08/94       162           8        29 |LTY N
 PROPERTY ID    |   1 DEF IN    1 08/10/94       154          10        34 |
 SOC SECURITY # |   1 DEF IN    1 07/07/94       144           7        28 |
 CA DRIVERS LIC |   1 DEF IN    1 06/09/94       137          15        28 |
 SERVICE        |   1 DEF IN    1 05/12/94       122          13        36 |L DUE
   1 DEF IN     |   1 DEF IN    1 04/06/94       109           8        28 |41.35
   7 C  1-5     |   1 DEF IN    1 03/09/94       101           7        28 |
   8 C 6-10     |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->     |                                                          |
                +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528500               SERVICE ADDRESS
 CUSTOMER NAME                          225      W. MAIN AV
 NOB HILL FOODS+-----------------------------------------------------+
               | SERVICE   METER   DATE    READING     USED    ESTIMATE DAY  |
 OWNER NAME/ADD|   1 DEF IN     1 01/23/95       12471            9 N     20  |
 NOB HILL FOODS|   1 DEF IN     1 01/03/95       12462           12 N     36  |
               |   1 DEF IN     1 11/28/94       12450           13 N     28  |
 FILE #22      |   1 DEF IN     1 10/31/94       12437           10       21  |
 GILROY, CA    |   1 DEF IN     1 10/10/94       12427           16       42  |
 95020         |   1 DEF IN     1 08/29/94       12411           11       27  |
 200 E. 10TH ST|   1 DEF IN     1 08/02/94       12400           15       35  |LTY
 PROPERTY ID   |   1 DEF IN     1 06/28/94       12385           29       27  |APE
 SOC SECURITY #|   1 DEF IN     1 06/01/94       12356           24       29  |
 CA DRIVERS LIC|   1 DEF IN     1 05/03/94       12332           24       35  |
 SERVICE       |   1 DEF IN     1 03/29/94       12308           17       27  |L DU
   1 DEF IN    |   1 DEF IN     1 03/02/94       12291           16       29  | 0.0
   7 C  1-5    |   1 DEF IN     1 02/01/94       12275           21       29  |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY        217      385  |0.56
   9 C 11->    |                                                              |
               +-----------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528500            SERVICE ADDRESS
 CUSTOMER NAME                       225      W. MAIN AV
 NOB HILL FOODS+---------------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 01/23/95       12471           9 N     20 |
 NOB HILL FOODS|   1 DEF IN     1 01/03/95       12462          12 N     36 |
               |   1 DEF IN     1 11/28/94       12450          13 N     28 |
 FILE #22      |   1 DEF IN     1 10/31/94       12437          10       21 |
 GILROY, CA    |   1 DEF IN     1 10/10/94       12427          16       42 |
 95020         |   1 DEF IN     1 08/29/94       12411          11       27 |
 200 E. 10TH ST|   1 DEF IN     1 08/02/94       12400          15       35 |LTY N
 PROPERTY ID   |   1 DEF IN     1 06/28/94       12385          29       27 |APE
 SOC SECURITY #|   1 DEF IN     1 06/01/94       12356          24       29 |
 CA DRIVERS LIC|   1 DEF IN     1 05/03/94       12332          24       35 |
 SERVICE       |   1 DEF IN     1 03/29/94       12308          17       27 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/02/94       12291          16       29 | 0.00
   7 C  1-5    |   1 DEF IN     1 02/01/94       12275          21       29 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY       217      385 |0.56
   9 C 11->    |                                                            |
               +------------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1540302              SERVICE ADDRESS
 CUSTOMER NAME                         209      W. MAIN AV
 NOB HILL COIN +----------------------------------------------------+
              | SERVICE   METER   DATE    READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/28/95     44834          253 N      27 |
 NOB HILL COIN |  1 DEF IN     1 02/01/95     44581          283 N      29 |
               |  1 DEF IN     1 01/03/95     44298          370 N      36 |
 495     DIANA |  1 DEF IN     1 11/28/94     43928          304 N      28 |
 MORGAN HILL CA|  1 DEF IN     1 10/31/94     43624          215        21 |
 95037         |  1 DEF IN     1 10/10/94     43409          454        42 |
               |  1 DEF IN     1 08/29/94     42955          276        27 |LTY :
 PROPERTY ID   |  1 DEF IN     1 08/02/94     42679          339        35 |APE
 SOC SECURITY #|  1 DEF IN     1 06/28/94     42340          265        27 |
 CA DRIVERS LIC|  1 DEF IN     1 06/01/94     42075          296        29 |
 SERVICE       |  1 DEF IN     1 05/03/94     41779          351        35 |L DU
   1 DEF IN    |  1 DEF IN     1 03/29/94     41428          283        27 |02.1
   7 C  1-5    |  1 DEF IN     1 03/02/94     41145          305        29 |
   8 C  6-10   |           PRESS ESCAPE TO EXIT DISPLAY     3994       392 |10.19
   9 C 11->    |                                                          |
               +----------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1526903            SERVICE ADDRESS
 CUSTOMER NAME                       209      W. MAIN AV
 NOB HILL COIN-+---------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95        2            0 N     28 |
 NOB HILL COIN-|   1 DEF IN     1 01/31/95        2            1 N     28 |
               |   1 DEF IN     1 01/03/95        1            1 N     36 |
 495     DIANA |   1 DEF IN     1 11/28/94        0            0 Y     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94      101            0       21 |
 95037         |   1 DEF IN     1 10/10/94      101            1       42 |
               |   1 DEF IN     1 08/29/94      100            0       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      100            1       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94       99            0       27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94       99            1       29 |
 SERVICE       |   1 DEF IN     1 05/03/94       98            1       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94       97            1       27 | 4.90
   7 C  1-5    |   1 DEF IN     1 03/02/94       96            0       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY     ___     ___ |
   9 C 11->    |                                               7      362 |
               +---------------------------------------------------+

 device     pf     basic     modes  22    18   COMMAND   file      HELP      EXIT
control    keys    config    keys     CN       LINE    transfer
                                    13:19      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1527302            SERVICE ADDRESS
 CUSTOMER NAME                       211      W. MAIN AV
 NOB HILL ONE H+---------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95      204            8 N     28 |
 NOB HILL 1 HR |   1 DEF IN     1 01/31/95      196            9 N     28 |
               |   1 DEF IN     1 01/03/95      187           12 N     36 |
 211     W. MA |   1 DEF IN     1 11/28/94      175            6 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94      169            7       21 |
 95037         |   1 DEF IN     1 10/10/94      162           15       42 |
               |   1 DEF IN     1 08/29/94      147            7       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      140            8       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94      132            5       27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94      127            5       29 |
 SERVICE       |   1 DEF IN     1 05/03/94      122            7       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94      115            7       27 |65.70
   7 C  1-5    |   1 DEF IN     1 03/02/94      108            7       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                          |
               +---------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1526502            SERVICE ADDRESS
 CUSTOMER NAME                       213       W. MAIN AV
 FIESTA VIDEO  +-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95          13           1 N     28 |
 FIESTA VIDEO  |   1 DEF IN     1 01/31/95          12           2 N     28 |
               |   1 DEF IN     1 01/03/95          10           2 N     36 |
 213       W. MA|   1 DEF IN     1 11/28/94           8           2 N     28 |
               |   1 DEF IN     1 10/31/94           6           2       21 |
               |   1 DEF IN     1 10/10/94           4           4       10 |
               |   1 DEF IN     1 09/30/94           0           0 N      0 |LTY I
 PROPERTY ID   |   1 DEF IN     1 09/30/94           0           0 N      0 |
 SOC SECURITY #|                                                           |
 CA DRIVERS LIC|                                                           |
 SERVICE       |                                                           |L DU
   1 DEF IN    |                                                           |21.1
   7 C  1-5    |                                                           |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+

 device     pf     basic     modes   22     18   COMMAND    file      HELP      EXIT
control    keys    config    keys      CN         LINE    transfer
                                      13:20       CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1526602            SERVICE ADDRESS
 CUSTOMER NAME                       215       W. MAIN AV
 NOB HILL LIQUO+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95          59          11 N     28 |
 NOB HILL LIQUO|   1 DEF IN     1 01/31/95          48          10 N     28 |
               |   1 DEF IN     1 01/03/95          38          13 N     36 |
 215       W. MA|   1 DEF IN     1 11/28/94          25          10 N     28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94          15           8       21 |
 95037         |   1 DEF IN     1 10/10/94           7          13       42 |
               |   1 DEF IN     1 08/29/94         276           9       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94         267           9       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94         258           6       27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94         252           7       29 |
 SERVICE       |   1 DEF IN     1 05/03/94         245           8       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94         237          11       27 | 0.00
   7 C  1-5    |   1 DEF IN     1 03/02/94         226           9       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->    |                                                           |
               +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528203             SERVICE ADDRESS
 CUSTOMER NAME                        217      W. MAIN AV
 JO'S BOUTIQUE +-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN      1 02/28/95          3           1 N     28 |
 JO'S BOUTIQUE |   1 DEF  IN      1 01/31/95          2           0 N     28 |
               |   1 DEF  IN      1 01/03/95          2           1 Y     36 |
 217      W. MA|   1 DEF  IN      1 11/28/94          1           1 N     28 |
               |   1 DEF  IN      1 10/31/94        350           1       21 |
               |   1 DEF  IN      1 10/10/94        349           0       42 |
               |   1 DEF  IN      1 08/29/94        349           1       27 |LTY N
 PROPERTY ID   |   1 DEF  IN      1 08/02/94        348           0       32 |
 SOC SECURITY #|   1 DEF  IN      1 07/01/94        348           0        0 |
 CA DRIVERS LIC|   1 DEF  IN      1 07/01/94        348           0 N      0 |
 SERVICE       |   1 DEF  IN      1 07/01/94        348           0 N      0 |L DUE
   1 DEF IN    |                                                            | 0.00
   7 C  1-5    |                                                            |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                    |
   9 C 11->    |                                                            |
               +-------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN       LINE   transfer
                                      13:20    CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1530003             SERVICE ADDRESS
 CUSTOMER NAME                        219      W. MAIN AV
 LOMBARDO'S DON+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF  IN      1 02/28/95         39          15 N     28 |
 LOMBARDO'S DON|   1 DEF  IN      1 01/31/95         24           6 N     28 |
               |   1 DEF  IN      1 01/03/95         18           7 N     36 |
 219      W. MA|   1 DEF  IN      1 11/28/94         11           4 N     28 |
 MORGAN HILL CA|   1 DEF  IN      1 10/31/94          7           4       21 |
 95037         |   1 DEF  IN      1 10/10/94          3           6 N     42 |
               |   1 DEF  IN      1 08/29/94        876           5       27 |LTY N
 PROPERTY ID   |   1 DEF  IN      1 08/02/94        871           5       35 |APE
 SOC SECURITY #|   1 DEF  IN      1 06/28/94        866           5       27 |
 CA DRIVERS LIC|   1 DEF  IN      1 06/01/94        861           6       29 |
 SERVICE       |   1 DEF  IN      1 05/03/94        855           8       35 |L DUE
   1 DEF IN    |   1 DEF  IN      1 03/29/94        847           5       27 |11.67
   7 C  1-5    |   1 DEF  IN      1 03/02/94        842           6       29 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                    |
   9 C 11->    |                                                            |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528103            SERVICE ADDRESS
 CUSTOMER NAME                       207       W. MAIN AV
 MORGAN'S MATE  +-----------------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY   |
 OWNER NAME/ADD |   1 DEF IN      1 02/28/95        167          11 N     28  |
 MORGAN'S MATE  |   1 DEF IN      1 01/31/95        156          10 N     28  |
                |   1 DEF IN      1 01/03/95        146          13 N     36  |
 207      W. MA |   1 DEF IN      1 11/28/94        133          10 N     28  |
                |   1 DEF IN      1 10/31/94        123           6       21  |
                |   1 DEF IN      1 10/10/94        117          13       42  |
                |   1 DEF IN      1 08/29/94        104           8       27  |LTY
 PROPERTY ID    |   1 DEF IN      1 08/02/94         96          12       35  |
 SOC SECURITY # |   1 DEF IN      1 06/28/94         84          12       27  |
 CA DRIVERS LIC |   1 DEF IN      1 06/01/94         72          13       29  |
 SERVICE        |   1 DEF IN      1 05/03/94         59          18       35  |L DU
   1 DEF IN     |   1 DEF IN      1 03/29/94         41          14       27  |08.5
   7 C  1-5     |   1 DEF IN      1 03/02/94         27          18       29  |
   8 C 6-10     |              PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->     |                                                            |
                +-----------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file      HELP      EXIT
control    keys    config    keys     CN       LINE   transfer
                                      13:21    CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1540302            SERVICE ADDRESS
 CUSTOMER NAME                       209       W. MAIN AV
 NOB HILL COIN  +-----------------------------------------------------------+
                | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY   |
 OWNER NAME/ADD |   1 DEF IN      1 02/28/95      44834         253 N     27  |
 NOB HILL COIN  |   1 DEF IN      1 02/01/95      44581         283 N     29  |
                |   1 DEF IN      1 01/03/95      44298         370 N     36  |
 495      DIANA |   1 DEF IN      1 11/28/94      43928         304 N     28  |
 MORGAN HILL CA |   1 DEF IN      1 10/31/94      43624         215       21  |
 95037          |   1 DEF IN      1 10/10/94      43409         454       42  |
                |   1 DEF IN      1 08/29/94      42955         276       27  |LTY N
 PROPERTY ID    |   1 DEF IN      1 08/02/94      42679         339       35  |APE
 SOC SECURITY # |   1 DEF IN      1 06/28/94      42340         265       27  |
 CA DRIVERS LIC |   1 DEF IN      1 06/01/94      42075         296       29  |
 SERVICE        |   1 DEF IN      1 05/03/94      41779         351       35  |L DUE
   1 DEF IN     |   1 DEF IN      1 03/29/94      41428         283       27  |02.15
   7 C  1-5     |   1 DEF IN      1 03/02/94      41145         305       29  |
   8 C 6-10     |              PRESS ESCAPE TO EXIT DISPLAY                  |
   9 C 11->     |                                                            |
                +-----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1527200            SERVICE ADDRESS
 CUSTOMER NAME                       237      W. MAIN AV
 PAUL           +----------------------------------------------------------+
 BRUNO F., M.D.| SERVICE    METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95        13          3 N      28 |
 PAUL          |   1 DEF IN     1 01/31/95        10          3 N      28 |
 BRUNO F., M.D.|   1 DEF IN     1 01/03/95         7          3 N      36 |
 PO BOX 6      |   1 DEF IN     1 11/28/94         4          2 N      28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94         2          2        21 |
 95037         |   1 DEF IN     1 10/10/94      4497          3        42 |
               |   1 DEF IN     1 08/29/94      4494          3        27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      4491          3        35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94      4488          2        27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94      4486          8        29 |
 SERVICE       |   1 DEF IN     1 05/03/94      4478          6        35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94      4472          3        27 | 0.00
   7 C  1-5    |   1 DEF IN     1 03/02/94      4469          4        29 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY                |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device    pf     basic    modes  22    18   COMMAND   file     HELP     EXIT
control   keys    config   keys    CN         LINE   transfer
                                  13:21       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1540401            SERVICE ADDRESS
 CUSTOMER NAME                       235      W. MAIN AV                 #B
 MITZIE'S CONSI+----------------------------------------------------------+
               | SERVICE    METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95        13          3 N      28 |
 MITZIE'S CONSI|   1 DEF IN     1 01/31/95        10          2 N      28 |
               |   1 DEF IN     1 01/03/95         8          4 N      36 |
 235      W. MA|   1 DEF IN     1 11/28/94         4          2 N      28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94         2          2        21 |
 95037         |   1 DEF IN     1 10/10/94         0          3        42 |
               |   1 DEF IN     1 08/29/94       557          1        27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94       556          2        35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94       554          2        27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94       552          1        29 |
 SERVICE       |   1 DEF IN     1 05/03/94       551          2        35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94       549          1        27 | 0.00
   7 C  1-5    |   1 DEF IN     1 03/02/94       548          1        29 |
   8 C 6-10    |              PRESS ESCAPE TO EXIT DISPLAY                |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T .END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528804            SERVICE ADDRESS
 CUSTOMER NAME                       233     W. MAIN AV                #A
 MEDURI TRUST P+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/28/95       130          30 N     28 |
 MEDURI TRUST P|  1 DEF IN     1 01/31/95       100          22 N     28 |
               |  1 DEF IN     1 01/03/95        78          32 N     36 |
 1557    CARME |  1 DEF IN     1 11/28/94        46          25 N     28 |
 SAN JOSE, CA  |  1 DEF IN     1 10/31/94        21          16       21 |
 95125         |  1 DEF IN     1 10/10/94         5          46       42 |
               |  1 DEF IN     1 08/29/94        66          17       27 |LTY I
 PROPERTY ID   |  1 DEF IN     1 08/02/94        49          22       35 |
 SOC SECURITY #|  1 DEF IN     1 06/28/94        27          19       27 |
 CA DRIVERS LIC|  1 DEF IN     1 06/01/94         8          19       29 |
 SERVICE       |  1 DEF IN     1 05/03/94       989          20       35 |L DUI
   1 DEF IN    |  1 DEF IN     1 03/29/94       969          18       27 |53.3(
   3 IN  1-5   |  1 DEF IN     1 03/02/94       951          20       29 |
   4 IN 6-10   |             PRESS ESCAPE TO EXIT DISPLAY                |
   5 I 11-30   |                                                         |
               +---------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file     HELP     EXIT
control    keys    config    keys     CN       LINE  transfer
                                     13:22     CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528701            SERVICE ADDRESS
 CUSTOMER NAME                       231     W. MAIN AV
 NOB HILL BARBE+-----------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/28/95         9           2 N     28 |
 NOB HILL BARBE|  1 DEF IN     1 01/31/95         7           2 N     28 |
               |  1 DEF IN     1 01/03/95         5           1 N     36 |
 231      W MAI|  1 DEF IN     1 11/28/94         4           2 N     28 |
 MORGAN HILL CA|  1 DEF IN     1 10/31/94         2           2       21 |
 95037         |  1 DEF IN     1 10/10/94         0           3       42 |
               |  1 DEF IN     1 08/29/94       407           2       27 |LTY N
 PROPERTY ID   |  1 DEF IN     1 08/02/94       405           3       35 |APE
 SOC SECURITY #|  1 DEF IN     1 06/28/94       402           2       27 |
 CA DRIVERS LIC|  1 DEF IN     1 06/01/94       400           2       29 |
 SERVICE       |  1 DEF IN     1 05/03/94       398           2       35 |L DUE
   1 DEF IN    |  1 DEF IN     1 03/29/94       396           1       27 |33.00
   7 C  1-5    |  1 DEF IN     1 03/02/94       395           2       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                |
   9 C 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528604              SERVICE ADDRESS
 CUSTOMER NAME                         227      W. MAIN AV
 MEDURI TRUST P+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95        34             9 N     28 |
 MEDURI TRUST P|   1 DEF IN     1 01/31/95        25             7 N     28 |
               |   1 DEF IN     1 01/03/95        18             6 N     36 |
 1557    CARME |   1 DEF IN     1 11/28/94        12             5 N     28 |
 SAN JOSE, CA  |   1 DEF IN     1 10/31/94         7             6       21 |
 95125         |   1 DEF IN     1 10/10/94         1             8       42 |
               |   1 DEF IN     1 08/29/94      6643             5       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      6638             4       35 |
 SOC SECURITY #|   1 DEF IN     1 06/28/94      6634             4       27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94      6630             4       29 |
 SERVICE       |   1 DEF IN     1 05/03/94      6626             5       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94      6621             3       27 |44.20
   3 IN  1-5   |   1 DEF IN     1 03/02/94      6618             3       29 |
   4 IN 6-10   |             PRESS ESCAPE TO EXIT DISPLAY                   |
   5 I 11-30   |                                                            |
               +-------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file      HELP     EXIT
control    keys    config    keys     CN        LINE  transfer
                                    13:22       CAPS
```

```
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1541502              SERVICE ADDRESS
 CUSTOMER NAME                         227      W. MAIN AV-LANDSCAPE
 MEDURI TRUST P+-------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95      2065             1 N     28 |
 MEDURI TRUST P|   1 DEF IN     1 01/31/95      2064             0 N     28 |
               |   1 DEF IN     1 01/03/95      2064             0 N     36 |
 1557    CARME |   1 DEF IN     1 11/28/94      2064             4 N     28 |
 SAN JOSE, CA  |   1 DEF IN     1 10/31/94      2060             8       21 |
 95125         |   1 DEF IN     1 10/10/94      2052            20       42 |
               |   1 DEF IN     1 08/29/94      2032            13       27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      2019            22       35 |APE
 SOC SECURITY #|   1 DEF IN     1 06/28/94      1997            33       27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94      1964             1       29 |
 SERVICE       |   1 DEF IN     1 05/03/94      1963            12       35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94      1951            11       27 | 9.15
  13 L 1-5     |   1 DEF IN     1 03/02/94      1940            11       29 |
  14 L 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                   |
  15 L 11->    |                                                            |
               +-------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528501            SERVICE ADDRESS
 CUSTOMER NAME                       225      W. MAIN AV
 MORGAN HILL FO+---------------------------------------------------------+
               |  SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95       12497          20 N     25 |
 NOB HILL FOODS|   1 DEF IN     1 02/03/95       12477           6 N     11 |
               |   1 DEF IN     1 01/23/95       12471           0 N      0 |
 FILE #22 W. MA|   1 DEF IN     1 01/23/95       12471           0 N      0 |
 GILROY, CA    |                                                          |
 95020         |                                                          |
 200 E. 10TH ST|                                                          | LTY I
 PROPERTY ID   |                                                          | APE
 SOC SECURITY #|                                                          |
 CA DRIVERS LIC|                                                          |
 SERVICE       |                                                          | L DU
   1 DEF IN    |                                                          |  0.0
   7 C  1-5    |                                                          |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                   |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device     pf      basic     modes  22    18  COMMAND   file      HELP     EXIT
control    keys    config     keys     CN       LINE   transfer
                                      13:23     CAPS
```

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528500            SERVICE ADDRESS
 CUSTOMER NAME                       225      W. MAIN AV
 NOB HILL FOODS+---------------------------------------------------------+
               |  SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 01/23/95       12471           9 N     20 |
 NOB HILL FOODS|   1 DEF IN     1 01/03/95       12462          12 N     36 |
               |   1 DEF IN     1 11/28/94       12450          13 N     28 |
 FILE #22      |   1 DEF IN     1 10/31/94       12437          10       21 |
 GILROY, CA    |   1 DEF IN     1 10/10/94       12427          16       42 |
 95020         |   1 DEF IN     1 08/29/94       12411          11       27 |
 200 E. 10TH ST|   1 DEF IN     1 08/02/94       12400          15       35 | LTY N
 PROPERTY ID   |   1 DEF IN     1 06/28/94       12385          29       27 | APE
 SOC SECURITY #|   1 DEF IN     1 06/01/94       12356          24       29 |
 CA DRIVERS LIC|   1 DEF IN     1 05/03/94       12332          24       35 |
 SERVICE       |   1 DEF IN     1 03/29/94       12308          17       27 | L DUE
   1 DEF IN    |   1 DEF IN     1 03/02/94       12291          16       29 |  0.00
   7 C  1-5    |   1 DEF IN     1 02/01/94       12275          21       29 |
   8 C 6-10    |           PRESS ESCAPE TO EXIT DISPLAY                   |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528302             SERVICE ADDRESS
 CUSTOMER NAME                        221      W. MAIN AV
 TRI STAR GRAND+----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95        205          3 N     18 |
 SPROUSE REITZ |   1 DEF IN     1 02/10/95        202          0 N      0 |
               |   1 DEF IN     1 02/10/95        202          0 N      0 |
 221      W. MA|                                                          |
 MORGAN HILL CA|                                                          |
 95037         |                                                          |
               |                                                          | LTY N
 PROPERTY ID   |                                                          |
 SOC SECURITY #|                                                          |
 CA DRIVERS LIC|                                                          |  DAIL
 SERVICE       |                                                          | L DUE
   1 DEF IN    |                                                          | 23.61
   7 C  1-5    |                                                          |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device     pf     basic     modes  22    18  COMMAND   file      HELP     EXIT
control     keys   config    keys     CN        LINE   transfer
                                     13:23      CAPS
```

```
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1528301             SERVICE ADDRESS
 CUSTOMER NAME                        221      W. MAIN AV
 MORGAN HILL AU+----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 10/10/94        178         10       45 |
 SPROUSE REITZ |   1 DEF IN     1 08/26/94        168          4 N     24 |
               |   1 DEF IN     1 08/02/94        164          5 Y     35 |
 221      W. MA|   1 DEF IN     1 06/28/94        159          3       27 |
 MORGAN HILL CA|   1 DEF IN     1 06/01/94        156          4       29 |
 95037         |   1 DEF IN     1 05/03/94        152         15 Y     35 |
               |   1 DEF IN     1 03/29/94        137          0 Y     26 | LTY N
 PROPERTY ID   |   1 DEF IN     1 03/03/94        137          6 Y     30 |
 SOC SECURITY #|   1 DEF IN     1 02/01/94        131          7       29 |
 CA DRIVERS LIC|   1 DEF IN     1 01/03/94        124          3       34 |
 SERVICE       |   1 DEF IN     1 11/30/93        121          6       28 | L DUE
   1 DEF IN    |   1 DEF IN     1 11/02/93        115         12       35 |  0.00
   7 C  1-5    |   1 DEF IN     1 09/28/93        103          5       29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1529104            SERVICE ADDRESS
 CUSTOMER NAME                       263      W. MAIN AV
 THE HAIR STOP +--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/28/95       229           11 N     28 |
 THE HAIR STOP |  1 DEF IN     1 01/31/95       218           23 N     28 |
               |  1 DEF IN     1 01/03/95       195            9 N     36 |
 263      W. MA|  1 DEF IN     1 11/28/94       186           14 N     28 |
 MORGAN HILL, C|  1 DEF IN     1 10/31/94       172            9       21 |
 95037         |  1 DEF IN     1 10/10/94       163           22       42 |
 263 W. MAIN AV|  1 DEF IN     1 08/29/94       141           14       27 |LTY
 PROPERTY ID   |  1 DEF IN     1 08/02/94       127           18       35 |
 SOC SECURITY #|  1 DEF IN     1 06/28/94       109           15       27 |
 CA DRIVERS LIC|  1 DEF IN     1 06/01/94        94           16       29 |
 SERVICE       |  1 DEF IN     1 05/03/94        78           19       35 |L DU
   1 DEF IN    |  1 DEF IN     1 03/29/94        59           14       27 |51.6
   3 IN  1-5   |  1 DEF IN     1 03/02/94        45           14       29 |
   4 IN 6-10   |            PRESS ESCAPE TO EXIT DISPLAY                 |
   5 I 11-30   |                                                         |
               +--------------------------------------------------------+

 device    pf    basic    modes  22    18  COMMAND   file     HELP     EXIT
control   keys   config   keys    CN        LINE   transfer
                                 13:24      CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1539800            SERVICE ADDRESS
 CUSTOMER NAME                       257      W. MAIN AV
 ADVANCED HAIRC+--------------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED    ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN     1 02/28/95      1098            1 N     28 |
 ADVANCED HAIRC|  1 DEF IN     1 01/31/95      1097            2 N     28 |
               |  1 DEF IN     1 01/03/95      1095            1 N     36 |
 257      W MAI|  1 DEF IN     1 11/28/94      1094            2 N     28 |
 MORGAN HILL CA|  1 DEF IN     1 10/31/94      1092            1       21 |
 95037         |  1 DEF IN     1 10/10/94      1091            2       42 |
               |  1 DEF IN     1 08/29/94      1089            1       27 |LTY I
 PROPERTY ID   |  1 DEF IN     1 08/02/94      1088            2       35 |APE
 SOC SECURITY #|  1 DEF IN     1 06/28/94      1086            2       27 |
 CA DRIVERS LIC|  1 DEF IN     1 06/01/94      1084            2       29 |
 SERVICE       |  1 DEF IN     1 05/03/94      1082            5       35 |L DUI
   1 DEF IN    |  1 DEF IN     1 03/29/94      1077            2       27 |29.15
   7 C  1-5    |  1 DEF IN     1 03/02/94      1075            1       29 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                         |
               +--------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1529000             SERVICE ADDRESS
 CUSTOMER NAME                        259      W. MAIN AV
 ADVANCE CLEANE+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/28/95          89          1 N      28 |
 ADVANCE CLEANE|   1 DEF IN    1 01/31/95          88          3 N      28 |
               |   1 DEF IN    1 01/03/95          85          3 N      36 |
 259     W. MA |   1 DEF IN    1 11/28/94          82          2 N      28 |
 MORGAN HILL CA|   1 DEF IN    1 10/31/94          80          2        21 |
 95037         |   1 DEF IN    1 10/10/94          78          7        42 |
               |   1 DEF IN    1 08/29/94          71          3        27 |LTY N
 PROPERTY ID   |   1 DEF IN    1 08/02/94          68          3        35 |APE
 SOC SECURITY #|   1 DEF IN    1 06/28/94          65          3        27 |
 CA DRIVERS LIC|   1 DEF IN    1 06/01/94          62          3        29 |
 SERVICE       |   1 DEF IN    1 05/03/94          59          3        35 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/29/94          56          3        27 | 0.00
   7 C  1-5    |   1 DEF IN    1 03/02/94          53          2        29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+

 device    pf     basic    modes  22    18   COMMAND   file     HELP     EXIT
control    keys   config   keys    CN        LINE   transfer
                                 13:25       CAPS

QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1500702             SERVICE ADDRESS
 CUSTOMER NAME                        255      W. MAIN AV                #A
 THE PRINT SHOP+-------------------------------------------------------+
               | SERVICE   METER   DATE    READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN    1 02/28/95          97          5 N      28 |
 THE PRINT SHOP|   1 DEF IN    1 01/31/95          92          5 N      28 |
               |   1 DEF IN    1 01/03/95          87          8 N      36 |
 C/O LARR      |   1 DEF IN    1 11/28/94          79          8 N      28 |
 MORGAN HILL CA|   1 DEF IN    1 10/31/94          71          6        21 |
    37         |   1 DEF IN    1 10/10/94          65          6        42 |
 255 W. MAIN #A|   1 DEF IN    1 08/29/94          59          3        27 |LTY N
 PROPERTY ID   |   1 DEF IN    1 08/02/94          56          5        35 |
 SOC SECURITY #|   1 DEF IN    1 06/28/94          51          3        27 |
 CA DRIVERS LIC|   1 DEF IN    1 06/01/94          48          3        29 |
 SERVICE       |   1 DEF IN    1 05/03/94          45          3        35 |L DUE
   1 DEF IN    |   1 DEF IN    1 03/29/94          42          3        27 |54.55
   7 C  1-5    |   1 DEF IN    1 03/02/94          39          4        29 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                 |
   9 C 11->    |                                                          |
               +----------------------------------------------------------+
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5403600           SERVICE ADDRESS
 CUSTOMER NAME                      18511    MISSION VIEW DR-BLDG
 ST. LOUISE CAN+-----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN    1 02/07/95       903           19 N     27 |
 ST. LOUISE CAN|  1 DEF IN    1 01/11/95       884           20 N     35 |
               |  1 DEF IN    1 12/07/94       864           18 N     27 |
 18511    MISSI|  1 DEF IN    1 11/10/94       846           16       27 |
               |  1 DEF IN    1 10/14/94       830           21       36 |
               |  1 DEF IN    1 09/08/94       809           20       29 |
               |  1 DEF IN    1 08/10/94       789           21       34 | LTY
 PROPERTY ID   |  1 DEF IN    1 07/07/94       768           14       28 |
 SOC SECURITY #|  1 DEF IN    1 06/09/94       754           12       28 |
 CA DRIVERS LIC|  1 DEF IN    1 05/12/94       742           23       36 |
 SERVICE       |  1 DEF IN    1 04/06/94       719           14       28 | L DU
   1 DEF IN    |  1 DEF IN    1 03/09/94       705           16       28 |  0.0
   7 C  1-5    |  1 DEF IN    1 02/09/94       689           18       28 |
   8 C 6-10    |         PRESS ESCAPE TO EXIT DISPLAY  232         391   | 0.59
   9 C 11->    |                                                         |
               +---------------------------------------------------------+

 device     pf     basic     modes  10    18  COMMAND   file      HELP     EXIT
control    keys    config    keys     CN      LINE    transfer
                                      15:37   CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  5403700           SERVICE ADDRESS
 CUSTOMER NAME                      18511    MISSION VIEW DR-LAND
 ST. LOUISE CAN+-----------------------------------------------------+
               | SERVICE   METER   DATE   READING    USED   ESTIMATE DAY |
 OWNER NAME/ADD|  1 DEF IN    1 11/10/93      2615            0       49 |
 ST. LOUISE CAN|  1 DEF IN    1 09/22/93      2615            0       13 |
               |  1 DEF IN    1 09/09/93      2615            0       27 |
 18511    MISSI|  1 DEF IN    1 08/13/93      2615          219       35 |
               |  1 DEF IN    1 07/09/93      2396          183       28 |
               |  1 DEF IN    1 06/11/93      2213          144       29 |
               |  1 DEF IN    1 05/13/93      2069          262       37 | LTY N
 PROPERTY ID   |  1 DEF IN    1 04/06/93      1807            3       26 |
 SOC SECURITY #|  1 DEF IN    1 03/11/93      1804            0       28 |
 CA DRIVERS LIC|  1 DEF IN    1 02/11/93      1804            0       28 |
 SERVICE       |  1 DEF IN    1 01/14/93      1804            0       35 | L DUE
   1 DEF IN    |  1 DEF IN    1 12/10/92      1804           40       28 |  0.00
  13 L 1-5     |  1 DEF IN    1 11/12/92      1764          185       36 |
  14 L 6-10    |         PRESS ESCAPE TO EXIT DISPLAY 1036         399   | 2.60
  15 L 11->    |                                                         |
               +---------------------------------------------------------+
QUERY CUSTOMER RECORDS:   N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  1525900              SERVICE ADDRESS
 CUSTOMER NAME                         80       W. CENTRAL AV
 BRITTON MIDDLE+-----------------------------------------------------------+
               | SERVICE    METER    DATE   READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 02/28/95      96671             50 Y    25 |
 BRITTON MIDDLE|   1 DEF IN     1 02/03/95      96621             75      31 |
               |   1 DEF IN     1 01/03/95      96546           1000 Y    36 |
 P.O. BOX      |   1 DEF IN     1 11/28/94      95546           1200 N    28 |
 MORGAN HILL CA|   1 DEF IN     1 10/31/94      95146           1432      21 |
 95037         |   1 DEF IN     1 10/10/94      94726           1078 N    42 |
               |   1 DEF IN     1 08/29/94      93648           1321      27 |LTY N
 PROPERTY ID   |   1 DEF IN     1 08/02/94      92327           1897      35 |
 SOC SECURITY #|   1 DEF IN     1 06/28/94      90430           1101      27 |
 CA DRIVERS LIC|   1 DEF IN     1 06/01/94      89329            619      29 |
 SERVICE       |   1 DEF IN     1 05/03/94      88711            769      35 |L DUE
   1 DEF IN    |   1 DEF IN     1 03/29/94      87947            291 N    26 |99.75
   7 C  1-5    |   1 DEF IN     1 03/03/94      87674            184      30 |
   8 C 6-10    |             PRESS ESCAPE TO EXIT DISPLAY                    |
   9 C 11->    |                                                             |
               +-------------------------------------------------------------+
```

1 UNIT = 7.48 GALLONS

EX ⇒ 184 x 7.48 = [illegible]

Kim Luchetti
Morgan Hill
408-779-7221

```
QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0102704            SERVICE ADDRESS
 CUSTOMER NAME                       16885    JOLEEN WY
 COLEMAN PRECIS+--------------------------------------------------------+
               | SERVICE    METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95         1699            5 N     28 |
 COLEMAN PRECIS|   1 DEF IN     1 02/06/95         1694           14 Y     28 |
               |   1 DEF IN     1 01/09/95         1680           14 N     35 |
 16885   JOLEE |   1 DEF IN     1 12/05/94         1666           12 N     27 |
               |   1 DEF IN     1 11/08/94         1654           18       27 |
               |   1 DEF IN     1 10/12/94         1636           10 Y     36 |
               |   1 DEF IN     1 09/06/94         1626           11       29 |LTY
 PROPERTY ID   |   1 DEF IN     1 08/08/94         1615           12       33 |APE
 SOC SECURITY #|   1 DEF IN     1 07/06/94         1603           10       29 |
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94         1593           16 N     28 |
 SERVICE       |   1 DEF IN     1 05/10/94         1577           16       36 |L DU
   1 DEF IN    |   1 DEF IN     1 04/04/94         1561           12       28 |49.8
   7 C  1-5    |   1 DEF IN     1 03/07/94         1549           10       28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      160         392 |0.4
   9 C 11->    |                                                              |
               +--------------------------------------------------------+

 device     pf     basic     modes  22     18  COMMAND    file      HELP     EXIT
control    keys    config    keys     CN       LINE    transfer
                                     12:34     CAPS

QUERY CUSTOMER RECORDS:    N  P  F  L  B  H  S  M  C  G  W  T  END
DISPLAY NEXT RECORD IN QUERY

 CUSTOMER NUMBER  0102800            SERVICE ADDRESS
 CUSTOMER NAME                       16855    JOLEEN WAY
 FAHRENTHOLD AN+--------------------------------------------------------+
               | SERVICE    METER   DATE    READING     USED    ESTIMATE DAY |
 OWNER NAME/ADD|   1 DEF IN     1 03/06/95          505           37 N     28 |
 FAHRENTHOLD AN|   1 DEF IN     1 02/06/95          468           42 N     28 |
               |   1 DEF IN     1 01/09/95          426           61 N     35 |
 16855   JOLEE |   1 DEF IN     1 12/05/94          365          116 N     27 |
               |   1 DEF IN     1 11/08/94          249           37       28 |
               |   1 DEF IN     1 10/11/94          212           60       35 |
               |   1 DEF IN     1 09/06/94          152           23       29 |LTY
 PROPERTY ID   |   1 DEF IN     1 08/08/94          129           28       33 |
 SOC SECURITY #|   1 DEF IN     1 07/06/94          101           32       29 |232
 CA DRIVERS LIC|   1 DEF IN     1 06/07/94           69           20       28 |
 SERVICE       |   1 DEF IN     1 05/10/94           49           33       36 |L DUE
   1 DEF IN    |   1 DEF IN     1 04/04/94           16            9       28 |69.90
   7 C  1-5    |   1 DEF IN     1 03/07/94            7            7       28 |
   8 C 6-10    |            PRESS ESCAPE TO EXIT DISPLAY      505         332 |1.28
   9 C 11->    |                                                              |
               +--------------------------------------------------------+
```

		Facility Information				W	
Number	Name	Address	Telephone	Business Type	Business Group (a)	Water Softener	Servic
1	Aztlan Bakery 742224	7419 Monterey Rd., Gilroy, CA 95020 ✓	(408) 847 - 8242	Bakery	G-C7	N	N
2	Bob Lynch Ford 515410	6290 Monterey Rd., Gilroy, CA 95020 ✓	(408) 847 - 1111	Auto Dealer	G-C9		
3	Burger King 260050	450 Leavesley Rd., Gilroy, CA 95020 ✓	(408) 847 - 3993	Fast Food	G-C1	N	N
4	Chevy's Restaurant 263706	8440 Murray Ave., Gilroy, CA 95020 ✓	(408) 847 - 2726	Restaurant	G-C1	Y	N
5	Cintas Corp. 515116/515121	904 Holloway Ave, Gilroy, CA 95020 ✓	(408) 848 - 1023	Comm. Laundry	G-C4	Y	N
6	Denny's Restaurant 260270	8425 San Ysidro Ave., Gilroy, CA 95020 ✓	(408) 842 - 7678	Restaurant	G-C1	Y	N
7	Dusan 260180	8100 Arroyo Circle, Gilroy, CA 95020 ✓	(408) 848 - 5000	Metal Finishing	G-I1	N	N
8	El Charito Market 763420	7638 Monterey Rd., Gilroy, CA 95020 ✓	(408) 842 - 3659	Market	G-C8	N	N
9	First St. Carwash 021580	951 First St., Gilroy, CA 95020 ✓	(408) 847 - 9910	Car Wash	G-C2	N	N
10	Gavilan College Well	5055 Santa Theresa Blvd., Gilroy, CA 95020	(408) 847 - 1400	Jr. College	G-C3		
11	Gaylord Container Corp 515510	6400 Jaimeson Way, Gilroy, CA 95020 ✓	(408) 847 - 6400	Fiberboard Mfg.	G-I2	Y	N
12	Gilroy High School 853950/854120	750 West Tenth St., Gilroy, CA 95020 ✓	(408) 847 - 2424	High School	G-C2	Y	Y
13	Gilroy Medical Park 779600-9416-9620	7880 Wren Avenue, Gilroy, CA 95020 ✓	(408) 842 - 2320	Medical Complex	G-C6	N	N
14	Glenn View Elementary School	600 West Eigth St., Gilroy, CA 95020 764200/5330 ✓	(408) 842 - 8292	Elementary Schoo	G-C2	N	N
15	Golden West Restaurant 514940	840 Pacheco Pass Highway, Gilroy, CA 95020 ✓	(408) 842 - 6448	Restaurant	G-C1	Y	Y
16	Hecker Pass Plaza 026950	1280 First St., Gilroy, CA 95020 ✓		Shopping Center	G-C10	N	N
17	Industrial Commercials 516516	6310 Chestnut St., Gilroy, CA 95020 ✓		Light Ind. & Shopping (	G-C5	Y	Y
18	Industrial Park 516640	505 Mayock Rd., Gilroy, CA 95020 ✓		Industrial Park	G-C5	N	
19	K-Mart 514850	Chestnut Ave, Gilroy, CA 95020 ✓		Shopping Center	G-C10	N	
20	Launderland 519895	343-E Tenth St. #F, Gilroy, CA 95020 ✓	(408) 842 - 1854	Laundromat	G-C4	N	N
21	Launderland 021510	8050 Wren Ave, Gilroy, CA 95020 ✓	(408) 847 - 1030	Laundromat	G-C4	N	N
22	Light Industrial Park 519923	6600 Brem Lane, Gilroy, CA 95020 ✓		Machine Shops, Body !	G-C5	N	
23	Light Industrial Park ?	Eagle/Luchessa Ave, Gilroy, CA 95020		Industrial Park	G-C5	N	
24	Lucky's 514860	6906 Chestnut St., Gilroy, CA 95020 ✓	(408) 847 - 1062	Supermarket	G-C8	N	
25	McDonalds 263820	8390 Arroyo Circle, Gilroy, CA 95020 ✓	(408) 847 - 5446	Fast Food	G-C1	N	N
26	McDonalds 514760	6990 Chestnut St., Gilroy, CA 95020 ✓	(408) 842 - 7775	Fast Food	G-C1	N	
27	Michael Cain Car Wash 261840	7940 Monterey Rd., Gilroy, CA 95020 ✓	(408) 847 - 1730	Car Wash	G-C2	N	N
28	Outlet Mall Phase III 263761	8300 Camino Arroyo, Gilroy, CA 95020 ✓	(408) 842 - 3729	Shopping Centers	G-C10	Y	N
Aa year 29	Pink Elephant #3 516842	340E Tenth St., Gilroy, CA 95020	(408) 842 - 9168	Bakery	G-C7	N	
30	Premiere Autobody 261782	101 Leavesley Rd., Gilroy, CA 95020 ✓	(408) 848 - 3883	Autobody	G-C9	N	N
31	PW Market 516851	260 East Tenth, Gilroy, CA 95020 ✓	(408) 848 - 5277	Supermarket	G-C8	Y	N
A a year 32	Residence 812882	235 Victoria, Gilroy, CA 95020		Residential	G-R2	N	N
33	Residence 014440	753 Alandra/Welburn, Gilroy, CA 95020		Residential	G-R3	N	N
34	Residence ?	Delta/Welburn, Gilroy, CA 95020		Residential	G-R4		
35	Safeway Market 021530	845 First St., Gilroy, CA 95020 ✓	(408) 842 - 0358	Supermarket	G-C8	N	N
36	Seed Systems 261942	8333 Swanston Lane, Gilroy, CA 95020 ✓	(408) 848 - 8120	:ed Coating Produ	G-I4	N	N
37	ServiSoft 262010	8111 Swanston Lane, Gilroy, CA 95020 ✓	(408) 847 - 2277	Water Softener	G-I5	Y	N
38	Shell Service Station 260061	400 Leavesley Rd., Gilroy, CA 95020 ✓	(408) 842 - 5227	vice Station/Car W	G-C2	N	N
39	South County Chrysler 519670	6600 Chestnut St., Gilroy, CA 95020 ✓	(408) 842 - 8244	Auto Dealer	G-C9	N	N
40	South Valley Hospital 263471	9400 No Name UNO, Gilroy, CA 95020 ✓	(408) 848 - 2000	Hospital	G-I3		
41	South Valley Jr. High 271498 1510	240 Swanston Lane, Gilroy, CA 95020 ✓	(408) 847 - 3377	Schools	G-C3	N	N
42	South Valley Medical Pavilion	9660 No Name UNO Ave, Gilroy, CA 95020		Medical Office Comp	G-C6	N	N
43	Tompkins Ct. ?	8900 Murray Ave., Gilroy, CA 95020		Light Ind. Park	G-C5	N	N
44	Village Car Wash 253722	8383 Church St., Gilroy, CA 95020 ✓		Car Wash	G-C2	N	N
45	Westwood Wash & Dry 772004	7960-G Westwood Ave., Gilroy, CA 95020 ✓	(408) 847 - 3222	Laundromat	G-C4	Y	N
46	Adams Ct. Light Industrial	Adams Ct./Sutter, ~~Gilroy, CA 95020~~ Morgan Hill		Light Industrial	G-C5	N	
47	B.A.S. Sheetmetal Inc.	16170 Jacqueline Ct., Morgan Hill, CA 95027	(408) 779 - 5058	Metal Finishing	M-I2	N	N
48	Britton School	Keystone & Del Monte, Morgan Hill, CA 95027		School	M-C3		
49	Burger King	16025 Monterey Rd., Morgan Hill, CA 95027	(408) 778 - 1439	Fast Food	M-C1	N	
50	Residence	200 Burnett Ave., Morgan Hill, CA 95027		Residence	M-R5	Y	Y
51	Chevrolet	19490 Monterey Rd., Morgan Hill, CA 95027	(408) 779 - 5547	Auto Dealer	M-C9	N	
52	Church & Biscaglia	Church & Biscaglia, Morgan Hill, CA 95027		Light Industry	M-C5	N	
53	Central High School	17960 Monterey St., Morgan Hill, CA 95027	(408) 779 - 5244	School	M-C3	N	N
54	Claremont & Peak	440 Claremont, Morgan Hill, CA 95027		Residence	M-R1	N	
55	Cochrane Circle	Cochrane Rd., Morgan Hill, CA 95027		Shopping Center	M-C10	N	
56	15850 Concord Circle	15850 Concord Circle, Morgan Hill, CA 95027		Light Industrial	M-C5	N	
57	Corp Yard	105 Edeo, Morgan Hill, CA 95027	(408) 779 - 8322	Car Wash	M-C2	Y	Y
58	Del Monte & Foothill	160 Foothill, Morgan Hill, CA 95027		Residence	M-R2		
59	Dan Gamel	16725 Condit Rd., Morgan Hill, CA 95027	(408) 779 - 8220	Auto Dealer	M-C9	N	
60	Evergreen Park	370 W. Dunne, Morgan Hill, CA 95027	(408) 779 - 7391	Medical Complex	M-C6		
61	Good Samaritan Foundation	16130 Medical Center Dr., Morgan Hill, CA 95027	(408) 779 - 9992	Medical Center	M-C6	N	
62	Hale Medical	17705 Hale, Morgan Hill, CA 95027		Medical Center	M-C6	N	
63	Light Industrial	Cochrane Circle, Morgan Hill, CA 95027		Light Industrial	M-C5		

```
.DATE 10 MAR 95  15:08:59     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   74                  NAME: AZTLAN BAKERY & DELI
ACCOUNT#: 2224                   WATER CODE : B
PREMISE : 7419 MONTEREY STREET

                LAST 12 MONTHS AVERAGE CONSUMPTION -     7.50
================================================================================
                   PERIOD ENDING             CONSUMPTION
                   -------------             -----------
                      950131                      4
                      941231                      8
                      941130                      6
                      941031                      6
                      940930                      8
                      940831                      9
                      940731                      9
                      940630                      8
                      940531                      7
                      940430                      9
                      940331                     10
                      940228                      6
                      940131                      7
                      931231                      7
                      931130                      7
                      931031                      8
                      930930                      9
                      930831                      8
                      930731                      9
                      930630                      7
                      930531                      8
                      930430                      9
                      930331                      9
                      930228                      8
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:10:01     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   51                    NAME: BOB LYNCH FORD *
ACCOUNT#: 5410                    WATER CODE : E
PREMISE : 6290 MONTEREY STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   15.42
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      18
                       941231                      17
                       941130                      15
                       941031                      15
                       940930                      14
                       940831                      14
                       940731                      16
                       940630                      12
                       940531                      15
                       940430                      22
                       940331                      15
                       940228                      12
                       940131                      14
                       931231                      13
                       931130                      12
                       931031                      19
                       930930                      13
                       930831                      15
                       930731                      18
                       930630                      13
                       930531                      11
                       930430                      12
                       930331                      13
                       930228                      10
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:12:23      REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE   :   26                     NAME: BURGERKING 2555 SYDRAN FOOD SERVICES
ACCOUNT#: 0050                     WATER CODE : G
PREMISE : 450 LEAVESLEY ROAD

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   80.83
===============================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     96
                       941231                     91
                       941130                     79
                       941031                     88
                       940930                     85
                       940831                    105
                       940731                     80
                       940630                     82
                       940531                     68
                       940430                     73
                       940331                     65
                       940228                     58
                       940131                     53
                       931231                     59
                       931130                     70
                       931031                     68
                       930930                      0
                       930831                      0
                       930731                      0
                       930630                      8
                       930531                     68
                       930430                     78
                       930331                     51
                       930228                     73
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:13:21     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   26                    NAME: SIMMEX REST. CHEVYS INC., (GIL)
ACCOUNT#: 3700                    WATER CODE : D
PREMISE : 8440 MURRAY AVENUE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  165.83
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     177
                       941231                     161
                       941130                     144
                       941031                     171
                       940930                     156
                       940831                     199
                       940731                     172
                       940630                     178
                       940531                     158
                       940430                     177
                       940331                     156
                       940228                     141
                       940131                     154
                       931231                     153
                       931130                     162
                       931031                     207
                       930930                     177
                       930831                     213
                       930731                     184
                       930630                     160
                       930531                     184
                       930430                     161
                       930331                     174
                       930228                     130
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:17:43     REPORT GENERATION     JRMQ
                        CUSTOMER WATER CONSUMPTION
===================================================================
ROUTE    :   26                   NAME: DENNY'S RESTAURANT  #392
ACCOUNT#: 0270                    WATER CODE : E
PREMISE : 8425 SAN YSIDRO AVE

              LAST 12 MONTHS AVERAGE CONSUMPTION -  218.75
===================================================================
                 PERIOD ENDING            CONSUMPTION
                 -------------            -----------
                    950131                   201
                    941231                   175
                    941130                   246
                    941031                   259
                    940930                   236
                    940831                   361
                    940731                   311
                    940630                   181
                    940531                   220
                    940430                   180
                    940331                   139
                    940228                   116
                    940131                   137
                    931231                   126
                    931130                   175
                    931031                   209
                    930930                   246
                    930831                   229
                    930731                   355
                    930630                   224
                    930531                   239
                    930430                   161
                    930331                   156
                    930228                   125
                  ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:19:42      REPORT GENERATION      JRMQ
                          CUSTOMER WATER CONSUMPTION
=====================================================================
ROUTE    :   26                    NAME: DUSAN EQUIPMENT CORPORATION
ACCOUNT#: 0180                     WATER CODE : E
PREMISE : 8100 ARROYO CIRCLE

              LAST 12 MONTHS AVERAGE CONSUMPTION -   61.67
=====================================================================
                 PERIOD ENDING            CONSUMPTION
                 -------------            -----------
                    950131                     20
                    941231                     18
                    941130                     24
                    941031                     25
                    940930                     46
                    940831                    103
                    940731                     87
                    940630                    101
                    940531                     62
                    940430                     81
                    940331                     83
                    940228                     90
                    940131                    111
                    931231                     95
                    931130                     81
                    931031                    112
                    930930                    114
                    930831                    112
                    930731                    117
                    930630                     95
                    930531                    109
                    930430                    115
                    930331                    117
                    930228                    138
                  ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:20:50     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   76                    NAME: EL CHARRITO /ALFONSO
ACCOUNT#: 3420                    WATER CODE : B
PREMISE : 7638 MONTEREY STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   13.42
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      10
                       941231                      34
                       941130                      12
                       941031                      12
                       940930                      11
                       940831                      13
                       940731                      15
                       940630                       9
                       940531                      11
                       940430                      11
                       940331                      12
                       940228                      11
                       940131                      13
                       931231                      35
                       931130                      13
                       931031                      13
                       930930                      15
                       930831                      14
                       930731                      15
                       930630                      11
                       930531                      14
                       930430                      16
                       930331                      17
                       930228                      15
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:21:56    REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   02                    NAME: GILROY CAR WASH /TSAI
ACCOUNT#: 1580                    WATER CODE : E
PREMISE : 951 FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   42.83
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      12
                       941231                      42
                       941130                      25
                       941031                      49
                       940930                      61
                       940831                      60
                       940731                      53
                       940630                      49
                       940531                      41
                       940430                      37
                       940331                      54
                       940228                      31
                       940131                      45
                       931231                      58
                       931130                      58
                       931031                      69
                       930930                      59
                       930831                      59
                       930731                      74
                       930630                      59
                       930531                      65
                       930430                      75
                       930331                      56
                       930228                      21
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:22:56     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   51                    NAME:  GAYLORD CONTAINERS
ACCOUNT#: 5510                    WATER CODE : G
PREMISE : 6400 JAMIESON WAY

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  669.17
================================================================================
                    PERIOD ENDING            CONSUMPTION
                    -------------            -----------
                       950131                    232
                       941231                    291
                       941130                    402
                       941031                    784
                       940930                    949
                       940831                    917
                       940731                    999
                       940630                    883
                       940531                    792
                       940430                    678
                       940331                    627
                       940228                    476
                       940131                    556
                       931231                    546
                       931130                    652
                       931031                    575
                       930930                   1061
                       930831                   1109
                       930731                   1130
                       930630                    932
                       930531                   1104
                       930430                    730
                       930331                    452
                       930228                    700
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95   15:30:46     REPORT GENERATION       JRMQ
                           CUSTOMER WATER CONSUMPTION
======================================================================================
ROUTE    :   51                      NAME: GOLDEN WEST PANCAKES
ACCOUNT#: 4940                       WATER CODE : D
PREMISE : 840 PACHECO PASS HW

                  LAST 12 MONTHS AVERAGE CONSUMPTION  -   127.33
======================================================================================
                      PERIOD ENDING               CONSUMPTION
                      -------------               -----------
                         950131                       134
                         941231                        99
                         941130                        82
                         941031                       154
                         940930                       191
                         940831                       171
                         940731                       144
                         940630                       139
                         940531                       106
                         940430                       101
                         940331                       123
                         940228                        84
                         940131                       186
                         931231                       182
                         931130                       131
                         931031                       143
                         930930                       137
                         930831                       160
                         930731                       199
                         930630                       156
                         930531                       181
                         930430                       162
                         930331                       138
                         930228                       111
                       ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:39:42     REPORT GENERATION     JRMQ
                             CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   51                       NAME: TRINIE MARTIN RECYCLING INC
ACCOUNT#: 5546                        WATER CODE : C
PREMISE : 6310 CHESTNUT STREET

                LAST 12 MONTHS AVERAGE CONSUMPTION - .   5.17
===============================================================================
                   PERIOD ENDING             CONSUMPTION
                   -------------             -----------
                      950131                     2
                      941231                     1
                      941130                     2
                      941031                     4
                      940930                     9
                      940831                     9
                      940731                    12
                      940630                     8
                      940531                     5
                      940430                     4
                      940331                     4
                      940228                     2
                      940131                     2
                      931231                     1
                      931130                     2
                      931031                     2
                      930930                     4
                      930831                     3
                      930731                     4
                      930630                     2
                      930531                     2
                      930430                     1
                      930331                     2
                      930228                     1
                    ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:25:49     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   51                    NAME: SIMONSEN DEVELOPMENT
ACCOUNT#: 6640                    WATER CODE : E
PREMISE : 505 MAYOCK ROAD

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   18.33
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      14
                       941231                      21
                       941130                      18
                       941031                      18
                       940930                      20
                       940831                      22
                       940731                      22
                       940630                      25
                       940531                      17
                       940430                      18
                       940331                      13
                       940228                      12
                       940131                      11
                       931231                      19
                       931130                      14
                       931031                      16
                       930930                      17
                       930831                      19
                       930731                      21
                       930630                      19
                       930531                      22
                       930430                      29
                       930331                      19
                       930228                      22
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:40:52     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   51                    NAME: K-MART #7252 DISCOUNT STORE
ACCOUNT#: 4880                    WATER CODE : E
PREMISE : 6900 CHESTNUT STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   63.08
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    ------------              -----------
                       950131                      34
                       941231                      47
                       941130                      60
                       941031                      61
                       940930                      71
                       940831                      67
                       940731                      74
                       940630                      80
                       940531                      81
                       940430                      74
                       940331                      72
                       940228                      36
                       940131                      58
                       931231                      72
                       931130                      56
                       931031                      85
                       930930                      85
                       930831                     160
                       930731                     149
                       930630                     120
                       930531                     131
                       930430                     165
                       930331                     320
                       930228                     260
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:42:11      REPORT GENERATION      JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   51                  NAME: R J ENTERPRISES
ACCOUNT#: 9895                   WATER CODE : E
PREMISE : 343 EAST TENTH ST

                LAST 12 MONTHS AVERAGE CONSUMPTION -  315.08
===============================================================================
                   PERIOD ENDING             CONSUMPTION
                   -------------             -----------
                      950131                     292
                      941231                     341
                      941130                     327
                      941031                     329
                      940930                     351
                      940831                     326
                      940731                     325
                      940630                     272
                      940531                     301
                      940430                     295
                      940331                     328
                      940228                     294
                      940131                     298
                      931231                     322
                      931130                     299
                      931031                     334
                      930930                     313
                      930831                     332
                      930731                     378
                      930630                     323
                      930531                     172
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:43:27     REPORT GENERATION     JRMQ
                        CUSTOMER WATER CONSUMPTION
==============================================================================
ROUTE    :   02                  NAME: NAUERT, J. LANE, R.
ACCOUNT#: 1510                   WATER CODE : E
PREMISE : 8049 WREN AVENUE

                LAST 12 MONTHS AVERAGE CONSUMPTION -  300.92
==============================================================================
                   PERIOD ENDING             CONSUMPTION
                   -------------             -----------
                      950131                     297
                      941231                     334
                      941130                     316
                      941031                     295
                      940930                     316
                      940831                     311
                      940731                     338
                      940630                     273
                      940531                     297
                      940430                     269
                      940331                     305
                      940228                     260
                      940131                     274
                      931231                     292
                      931130                     263
                      931031                     301
                      930930                     277
                      930831                     268
                      930731                     306
                      930630                     240
                      930531                     259
                      930430                     261
                      930331                     254
                      930228                     240
                    ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:44:12      REPORT GENERATION      JRMQ
                          CUSTOMER WATER CONSUMPTION
==============================================================================
ROUTE    :   51                     NAME: S.R.S/BREM ASSOCIATES
ACCOUNT#: 9923                      WATER CODE : C
PREMISE : 6600 BREM LANE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -     5.08
==============================================================================
                    PERIOD ENDING              CONSUMPTION
                    -------------              -----------
                       950131                       5
                       941231                       5
                       941130                       3
                       941031                       5
                       940930                       3
                       940831                       5
                       940731                       6
                       940630                       5
                       940531                       7
                       940430                       4
                       940331                       8
                       940228                       5
                       940131                       5
                       931231                       5
                       931130                       5
                       931031                       7
                       930930                       8
                       930831                       6
                       930731                       6
                       930630                       5
                       930531                       4
                       930430                       5
                       930331                       5
                       930228                       4
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:45:09     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   51                    NAME: LUCKYS MARKET #118
ACCOUNT#: 4860                    WATER CODE : D
PREMISE : 6906 CHESTNUT STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  122.00
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     114
                       941231                     134
                       941130                     115
                       941031                     122
                       940930                     134
                       940831                     141
                       940731                     131
                       940630                     117
                       940531                     131
                       940430                     107
                       940331                     121
                       940228                      97
                       940131                     106
                       931231                     105
                       931130                      88
                       931031                     104
                       930930                     114
                       930831                     136
                       930731                     123
                       930630                     113
                       930531                     111
                       930430                     106
                       930331                      95
                       930228                      85
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:47:10     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE   :   26                    NAME: MC DONALDS RESTAURANT
ACCOUNT#: 3820                    WATER CODE : E
PREMISE : 8390 ARROYO CIRCLE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   75.17
===============================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      62
                       941231                      70
                       941130                      69
                       941031                      73
                       940930                      74
                       940831                     108
                       940731                      88
                       940630                      72
                       940531                      75
                       940430                      80
                       940331                      72
                       940228                      59
                       940131                      71
                       931231                      75
                       931130                      72
                       931031                      71
                       930930                      72
                       930831                     101
                       930731                       0
                       930630                       0
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:50:44     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   51                   NAME: MC DONALDS RESTAURANT
ACCOUNT#: 4760                    WATER CODE : E
PREMISE : 6990 CHESTNUT STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   65.83
================================================================================
                    PERIOD ENDING            CONSUMPTION
                    -------------            -----------
                       950131                      51
                       941231                      73
                       941130                      54
                       941031                      58
                       940930                      73
                       940831                      65
                       940731                      82
                       940630                      61
                       940531                      68
                       940430                      71
                       940331                      73
                       940228                      61
                       940131                      64
                       931231                      74
                       931130                      75
                       931031                      70
                       930930                      72
                       930831                      82
                       930731                      92
                       930630                      71
                       930531                      84
                       930430                      90
                       930331                      68
                       930228                      63
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:51:55     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   26                    NAME: MICHAELS CAR WASH
ACCOUNT#: 1840                    WATER CODE : C
PREMISE : 7940 MONTEREY STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   33.33
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      23
                       941231                      30
                       941130                      27
                       941031                      42
                       940930                      43
                       940831                      52
                       940731                      39
                       940630                      36
                       940531                      33
                       940430                      29
                       940331                      30
                       940228                      16
                       940131                      27
                       931231                      20
                       931130                      24
                       931031                      26
                       930930                      32
                       930831                      34
                       930731                      37
                       930630                      28
                       930531                      26
                       930430                      20
                       930331                      22
                       930228                      14
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:52:51      REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
=========================================================================
ROUTE   :   26                    NAME: HOCLP GILROY
ACCOUNT#: 3761                    WATER CODE : F
PREMISE : 8300 ARROYO CIRCLE

                LAST 12 MONTHS AVERAGE CONSUMPTION -  122.50
=========================================================================
                   PERIOD ENDING            CONSUMPTION
                   -------------            -----------
                      950131                    97
                      941231                   126
                      941130                   120
                      941031                   116
                      940930                   125
                      940831                   184
                      940731                   138
                      940630                   111
                      940531                   118
                      940430                   118
                      940331                   114
                      940228                   103
                      940131                   116
                      931231                   132
                      931130                   106
                    ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:55:55     REPORT GENERATION     JRMQ
                             CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   26                    NAME: PREMIER AUTO BODY/ DELGADO
ACCOUNT#: 1782                     WATER CODE : D
PREMISE : 101 LEAVESLEY

                LAST 12 MONTHS AVERAGE CONSUMPTION -    13.00
===============================================================================
                   PERIOD ENDING            CONSUMPTION
                   -------------            -----------
                      950131                    22
                      941231                    20
                      941130                    11
                      941031                    10
                      940930                     8
                      940831                     9
                      940731                     9
                      940630                    10
                      940531                    11
                      940430                    13
                      940331                    19
                      940228                    14
                      940131                    16
                      931231                    11
                      931130                    10
                      931031                    10
                      930930                    10
                      930831                    26
                      930731                    12
                      930630                     9
                      930531                     8
                      930430                    10
                      930331                    17
                      930228                    16
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:57:05      REPORT GENERATION      JRMQ
                         CUSTOMER WATER CONSUMPTION
===========================================================================
ROUTE    :   51                  NAME: P.W. MARKET
ACCOUNT#: 6851                   WATER CODE : E
PREMISE : 260-C TENTH STREET

               LAST 12 MONTHS AVERAGE CONSUMPTION -  189.42
===========================================================================
                  PERIOD ENDING             CONSUMPTION
                  -------------             -----------
                     950131                     199
                     941231                     256
                     941130                     231
                     941031                     271
                     940930                     262
                     940831                     175
                     940731                     166
                     940630                     174
                     940531                     140
                     940430                     129
                     940331                     151
                     940228                     119
                     940131                     125
                     931231                     142
                     931130                     131
                     931031                     171
                     930930                     179
                     930831                     194
                     930731                     180
                     930630                     167
                     930531                     155
                     930430                     149
                     930331                     136
                     930228                     104
                   ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:04:28     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   01                    NAME: DONALD DOTY
ACCOUNT#: 4460                    WATER CODE : B
PREMISE : 753 LA ALONDRA WAY

                 LAST 12 MONTHS AVERAGE CONSUMPTION -    8.83
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       4
                       941231                       3
                       941130                       3
                       941031                      10
                       940930                      17
                       940831                      14
                       940731                      18
                       940630                      12
                       940531                      11
                       940430                       8
                       940331                       3
                       940228                       3
                       940131                       6
                       931231                       3
                       931130                       5
                       931031                      13
                       930930                      14
                       930831                      15
                       930731                      15
                       930630                      14
                       930531                       9
                       930430                       6
                       930331                       4
                       930228                       2
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:05:35     REPORT GENERATION     JRMQ
                        CUSTOMER WATER CONSUMPTION
=============================================================================
ROUTE    :   02                 NAME: V # 258008 SAFEWAY #311
ACCOUNT#: 1530                  WATER CODE : E
PREMISE : 845 FIRST STREET

                LAST 12 MONTHS AVERAGE CONSUMPTION -   16.75
=============================================================================
                   PERIOD ENDING            CONSUMPTION
                   -------------            -----------
                      950131                     16
                      941231                     17
                      941130                     15
                      941031                     15
                      940930                     16
                      940831                     21
                      940731                     17
                      940630                     17
                      940531                     18
                      940430                     17
                      940331                     18
                      940228                     14
                      940131                     18
                      931231                     21
                      931130                     26
                      931031                     30
                      930930                     27
                      930831                     25
                      930731                     30
                      930630                     24
                      930531                     22
                      930430                     25
                      930331                     21
                      930228                     16
                    ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:08:27     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   26                    NAME: SEED SYSTEMS INC
ACCOUNT#: 1942                    WATER CODE : D
PREMISE : 8333 SWANSTON LANE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   33.00
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      66
                       941231                      40
                       941130                      20
                       941031                      18
                       940930                      16
                       940831                      21
                       940731                      19
                       940630                      21
                       940531                      20
                       940430                      37
                       940331                      51
                       940228                      67
                       940131                      54
                       931231                      27
                       931130                      22
                       931031                      44
                       930930                      14
                       930831                      13
                       930731                      10
                       930630                      11
                       930531                      12
                       930430                      22
                       930331                      68
                       930228                      57
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:14:02     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   26                    NAME: SERVISOFT WATER CONDITIONING
ACCOUNT#: 2010                    WATER CODE : B
PREMISE : 8111 SWANSTON LANE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -    0.92
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       1
                       941231                       0
                       941130                       1
                       941031                       1
                       940930                       4
                       940831                       0
                       940731                       1
                       940630                       1
                       940531                       0
                       940430                       1
                       940331                       0
                       940228                       1
                       940131                       0
                       931231                       1
                       931130                       0
                       931031                       1
                       930930                       1
                       930831                       1
                       930731                       2
                       930630                       1
                       930531                       1
                       930430                       0
                       930331                       1
                       930228                       1
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:15:20     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   26                    NAME: C & J COX CORP GILROY SHELL
ACCOUNT#: 0061                    WATER CODE : D
PREMISE : 400 LEAVESLEY ROAD

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   85.17
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       43
                       941231                       55
                       941130                       53
                       941031                       81
                       940930                       99
                       940831                      100
                       940731                      131
                       940630                       78
                       940531                       57
                       940430                       85
                       940331                      160
                       940228                       80
                       940131                       81
                       931231                      118
                       931130                      109
                       931031                      127
                       930930                      135
                       930831                      147
                       930731                       86
                       930630                      110
                       930531                      127
                       930430                      171
                       930331                      119
                       930228                      102
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:21:22      REPORT GENERATION      JRMQ
                         CUSTOMER WATER CONSUMPTION
==================================================================================
ROUTE    :   25                     NAME: GILROY VILLAGE WASH/TSAI
ACCOUNT#: 3722                      WATER CODE : E
PREMISE : 8383 CHURCH STREET

                LAST 12 MONTHS AVERAGE CONSUMPTION -   35.58
==================================================================================
                    PERIOD ENDING            CONSUMPTION
                    -------------            -----------
                       950131                    18
                       941231                    28
                       941130                    19
                       941031                    40
                       940930                    36
                       940831                    48
                       940731                    42
                       940630                    45
                       940531                    40
                       940430                    36
                       940331                    53
                       940228                    22
                       940131                    45
                       931231                    30
                       931130                    39
                       931031                    42
                       930930                    51
                       930831                    57
                       930731                    54
                       930630                    46
                       930531                    55
                       930430                    54
                       930331                    51
                       930228                    24
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:22:39     REPORT GENERATION     JRMQ
                     CUSTOMER WATER CONSUMPTION
===================================================================
ROUTE   :   77                 NAME: WESTWOOD WASH & DRY
ACCOUNT#: 2004                 WATER CODE : E
PREMISE : 7960-F WESTWOOD DRIVE

              LAST 12 MONTHS AVERAGE CONSUMPTION -  150.92
===================================================================
                 PERIOD ENDING            CONSUMPTION
                 -------------            -----------
                   950131                     165
                   941231                     141
                   941130                     148
                   941031                     164
                   940930                     154
                   940831                     162
                   940731                     135
                   940630                     117
                   940531                     131
                   940430                     168
                   940331                     173
                   940228                     153
                   940131                     186
                   931231                     159
                   931130                     148
                   931031                     148
                   930930                     129
                   930831                     128
                   930731                     109
                   930630                      91
                   930531                     133
                   930430                      92
                   930331                      98
                   930228                      92
                  ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:16:42     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   51                  NAME: CINTAS CORP
ACCOUNT#: 5121                   WATER CODE : F
PREMISE : 934 HOLLOWAY

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  824.75
===============================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     811
                       941231                     899
                       941130                     836
                       941031                     920
                       940930                     871
                       940831                     935
                       940731                     831
                       940630                     738
                       940531                     780
                       940430                     753
                       940331                     819
                       940228                     704
                       940131                     798
                       931231                     776
                       931130                     772
                       931031                     876
                       930930                     789
                       930831                     833
                       930731                     847
                       930630                    1286
                       930531                     640
                       930430                     640
                       930331                     675
                       930228                     552
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:19:29     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
==============================================================================
ROUTE    :   27                  NAME: SOUTH VALLEY JUNIOR HIGH
ACCOUNT#: 1490                   WATER CODE : G
PREMISE : * FOREST STREET

                LAST 12 MONTHS AVERAGE CONSUMPTION -  798.83
==============================================================================
                   PERIOD ENDING            CONSUMPTION
                   -------------            -----------
                      950131                    113
                      941231                    122
                      941130                    244
                      941031                    683
                      940930                   1296
                      940831                   1556
                      940731                   1903
                      940630                   1236
                      940531                    823
                      940430                    633
                      940331                    791
                      940228                    186
                      940131                    282
                      931231                    208
                      931130                    564
                      931031                    975
                      930930                   1469
                      930831                   1803
                      930731                   1635
                      930630                   1134
                      930531                   1140
                      930430                    763
                      930331                    313
                      930228                    219
                    ..... END REPORT .....
```

```
.DATE 10 MAR 95  16:20:30     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
=================================================================================
ROUTE    :   27                    NAME: SOUTH VALLEY JUNIOR HIGH
ACCOUNT#: 1510                     WATER CODE : G
PREMISE : * I.O.O.F. AVENUE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   67.42
=================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      10
                       941231                      20
                       941130                      43
                       941031                     254
                       940930                      58
                       940831                       0
                       940731                       0
                       940630                      35
                       940531                     179
                       940430                     101
                       940331                     106
                       940228                       3
                       940131                       0
                       931231                       0
                       931130                       1
                       931031                     261
                       930930                     348
                       930831                     511
                       930731                     688
                       930630                     360
                       930531                     310
                       930430                     111
                       930331                      21
                       930228                      12
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:37:40     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   02                   NAME: HECKER PASS PLAZA INVESTORS
ACCOUNT#: 5980                    WATER CODE : E
PREMISE : 1230-B FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -    8.33
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     10
                       941231                      9
                       941130                      9
                       941031                     10
                       940930                     10
                       940831                      9
                       940731                      8
                       940630                      6
                       940531                      7
                       940430                      8
                       940331                      8
                       940228                      6
                       940131                     10
                       931231                     10
                       931130                      9
                       931031                     10
                       930930                      9
                       930831                     10
                       930731                     10
                       930630                      8
                       930531                      9
                       930430                      9
                       930331                     10
                       930228                     21
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:33:05     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   02                    NAME: HECKER PASS PLAZA INVESTORS
ACCOUNT#: 5910                    WATER CODE : E
PREMISE : 1230-B FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   75.83
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       1
                       941231                     169
                       941130                     101
                       941031                     112
                       940930                     113
                       940831                     122
                       940731                     110
                       940630                     104
                       940531                      78
                       940430                       0
                       940331                       0
                       940228                       0
                       940131                       0
                       931231                      51
                       931130                     105
                       931031                     111
                       930930                     111
                       930831                     120
                       930731                     115
                       930630                     105
                       930531                     117
                       930430                      63
                       930331                      37
                       930228                       0
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:31:42      REPORT GENERATION      JRMQ
                          CUSTOMER WATER CONSUMPTION
=====================================================================
ROUTE    :   02                   NAME: HECKER PASS PLAZA INVESTORS
ACCOUNT#: 5950                    WATER CODE : E
PREMISE : 1280-D FIRST STREET

              LAST 12 MONTHS AVERAGE CONSUMPTION -     6.67
=====================================================================
                 PERIOD ENDING           CONSUMPTION
                 -------------           -----------
                    950131                     9
                    941231                     8
                    941130                     9
                    941031                     9
                    940930                     9
                    940831                    10
                    940731                     9
                    940630                    10
                    940531                     7
                    940430                     0
                    940331                     0
                    940228                     0
                    940131                     0
                    931231                     0
                    931130                     0
                    931031                     0
                    930930                     0
                    930831                     0
                    930731                     0
                    930630                     0
                    930531                     0
                    930430                     1
                    930331                     0
                    930228                     0
                  ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:34:05     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   02                     NAME: HECKER PASS PLAZA INVESTORS
ACCOUNT#: 5920                      WATER CODE : E
PREMISE : 1360-B FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   16.33
===============================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     12
                       941231                     12
                       941130                     12
                       941031                     17
                       940930                     16
                       940831                     19
                       940731                     18
                       940630                     23
                       940531                     15
                       940430                     19
                       940331                     18
                       940228                     15
                       940131                     18
                       931231                     16
                       931130                     16
                       931031                     19
                       930930                     18
                       930831                     21
                       930731                     22
                       930630                     21
                       930531                     22
                       930430                     20
                       930331                     21
                       930228                     13
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:35:21     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   02                    NAME: HECKER PASS PLAZA INVESTORS
ACCOUNT#: 5930                    WATER CODE : E
PREMISE : 1340-F FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   31.25
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       23
                       941231                       20
                       941130                       23
                       941031                       31
                       940930                       31
                       940831                       35
                       940731                       32
                       940630                       40
                       940531                       37
                       940430                       33
                       940331                       38
                       940228                       32
                       940131                       30
                       931231                       25
                       931130                       30
                       931031                       55
                       930930                       58
                       930831                      153
                       930731                      126
                       930630                       49
                       930531                       45
                       930430                       41
                       930331                       46
                       930228                       31
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:36:16     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   02                  NAME: THE SPORTS CONNECTION
ACCOUNT#: 5941                   WATER CODE : E
PREMISE : 1300-E FIRST STREET

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   36.92
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      37
                       941231                      36
                       941130                      33
                       941031                      45
                       940930                      36
                       940831                      40
                       940731                      35
                       940630                      34
                       940531                      38
                       940430                      36
                       940331                      36
                       940228                      37
                       940131                      44
                       931231                      36
                       931130                      39
                       931031                      49
                       930930                      41
                       930831                      39
                       930731                      42
                       930630                      33
                       930531                      39
                       930430                      40
                       930331                      40
                       930228                      26
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:28:50     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   76                    NAME: GLENVIEW SCHOOL
ACCOUNT#: 4200                    WATER CODE : E
PREMISE : 600 WEST EIGHTH ST

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  255.42
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                       7
                       941231                       5
                       941130                      46
                       941031                     248
                       940930                     457
                       940831                     543
                       940731                     663
                       940630                     640
                       940531                     149
                       940430                     147
                       940331                     138
                       940228                      22
                       940131                      22
                       931231                       6
                       931130                     113
                       931031                     279
                       930930                     432
                       930831                     577
                       930731                     577
                       930630                     254
                       930531                     369
                       930430                     117
                       930331                      11
                       930228                       5
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:29:42      REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   76                  NAME: GLENVIEW SCHOOL
ACCOUNT#: 5330                   WATER CODE : G
PREMISE : 800 WEST EIGHTH ST

                LAST 12 MONTHS AVERAGE CONSUMPTION -   93.83
===============================================================================
                   PERIOD ENDING            CONSUMPTION
                   -------------            -----------
                      950131                      91
                      941231                      27
                      941130                      34
                      941031                      89
                      940930                      85
                      940831                      97
                      940731                     110
                      940630                     146
                      940531                     119
                      940430                     126
                      940331                     108
                      940228                      94
                      940131                      63
                      931231                      52
                      931130                      95
                      931031                     141
                      930930                     144
                      930831                     213
                      930731                     189
                      930630                     113
                      930531                     126
                      930430                      76
                      930331                      65
                      930228                      42
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:25:45     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   77                    NAME: GILROY MEDICAL PARK
ACCOUNT#: 9600                    WATER CODE : E
PREMISE : 7880-A WREN AVENUE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  107.17
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      22
                       941231                      22
                       941130                      38
                       941031                     106
                       940930                     147
                       940831                     227
                       940731                     264
                       940630                     168
                       940531                     145
                       940430                      89
                       940331                      47
                       940228                      11
                       940131                      15
                       931231                      22
                       931130                      45
                       931031                      69
                       930930                     143
                       930831                     151
                       930731                     178
                       930630                     104
                       930531                     110
                       930430                      76
                       930331                      60
                       930228                      41
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:26:38      REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   77                  NAME: GILROY MEDICAL PARK
ACCOUNT#: 9610                   WATER CODE : E
PREMISE : 7880-B WREN AVENUE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  134.08
================================================================================
                    PERIOD ENDING            CONSUMPTION
                    -------------            -----------
                       950131                    33
                       941231                    40
                       941130                    54
                       941031                   126
                       940930                   171
                       940831                   259
                       940731                   298
                       940630                   193
                       940531                   169
                       940430                   120
                       940331                    80
                       940228                    66
                       940131                   107
                       931231                    52
                       931130                    76
                       931031                   106
                       930930                   195
                       930831                   206
                       930731                   243
                       930630                   147
                       930531                   149
                       930430                   106
                       930331                    23
                       930228                    13
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:27:44     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE   :   77                    NAME: GILROY MEDICAL PARK
ACCOUNT#: 9620                    WATER CODE : E
PREMISE : 7880-C WREN AVENUE

                 LAST 12 MONTHS AVERAGE CONSUMPTION -  124.50
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                      33
                       941231                      34
                       941130                      49
                       941031                     112
                       940930                     153
                       940831                     235
                       940731                     272
                       940630                     175
                       940531                     153
                       940430                     111
                       940331                      93
                       940228                      74
                       940131                     107
                       931231                      55
                       931130                      77
                       931031                     109
                       930930                     185
                       930831                     192
                       930731                     223
                       930630                     137
                       930531                     144
                       930430                      80
                       930331                      61
                       930228                      45
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:23:49     REPORT GENERATION     JRMQ
                        CUSTOMER WATER CONSUMPTION
===========================================================================
ROUTE   :   85                    NAME: GILROY HIGH SCHOOL
ACCOUNT#: 3950                    WATER CODE : G
PREMISE : TENTH PRINCEVALLE

               LAST 12 MONTHS AVERAGE CONSUMPTION - 1495.08
===========================================================================
                  PERIOD ENDING             CONSUMPTION
                  -------------             -----------
                     950131                      99
                     941231                     138
                     941130                     528
                     941031                    1899
                     940930                    2197
                     940831                    3623
                     940731                    3936
                     940630                    2649
                     940531                    1513
                     940430                    1030
                     940331                     257
                     940228                      72
                     940131                     102
                     931231                      91
                     931130                     608
                     931031                    1149
                     930930                    2108
                     930831                    3100
                     930731                    2925
                     930630                    1986
                     930531                    1456
                     930430                     619
                     930331                     129
                     930228                      67
                   ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:24:45     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
================================================================================
ROUTE    :   85                  NAME: GILROY HIGH SCHOOL
ACCOUNT#: 4340                   WATER CODE : G
PREMISE : 0 WEST TENTH ST

                 LAST 12 MONTHS AVERAGE CONSUMPTION - 1290.08
================================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                    141
                       941231                    119
                       941130                    481
                       941031                   1430
                       940930                   1649
                       940831                   2755
                       940731                   2984
                       940630                   2795
                       940531                   1665
                       940430                   1046
                       940331                    321
                       940228                     95
                       940131                    121
                       931231                     97
                       931130                    680
                       931031                   1276
                       930930                   2608
                       930831                   3614
                       930731                   3510
                       930630                   2349
                       930531                   1597
                       930430                    678
                       930331                    172
                       930228                     91
                     ..... END REPORT .....
```

```
.DATE 10 MAR 95  15:15:34     REPORT GENERATION     JRMQ
                         CUSTOMER WATER CONSUMPTION
===============================================================================
ROUTE    :   51                  NAME: CINTAS CORPORATION
ACCOUNT#: 5116                   WATER CODE : E
PREMISE : 924 HOLLOWAY ROAD

                 LAST 12 MONTHS AVERAGE CONSUMPTION -   17.17
===============================================================================
                    PERIOD ENDING             CONSUMPTION
                    -------------             -----------
                       950131                     13
                       941231                     18
                       941130                     20
                       941031                     23
                       940930                     14
                       940831                     37
                       940731                     14
                       940630                     13
                       940531                     14
                       940430                     12
                       940331                     13
                       940228                     15
                       940131                     12
                       931231                     12
                       931130                     12
                       931031                     13
                       930930                     11
                       930831                     10
                       930731                     13
                       930630                     14
                       930531                     12
                       930430                     31
                       930331                     34
                       930228                     25
                     ..... END REPORT .....
```

Appendix E

MONTGOMERY WATSON

APPENDIX E

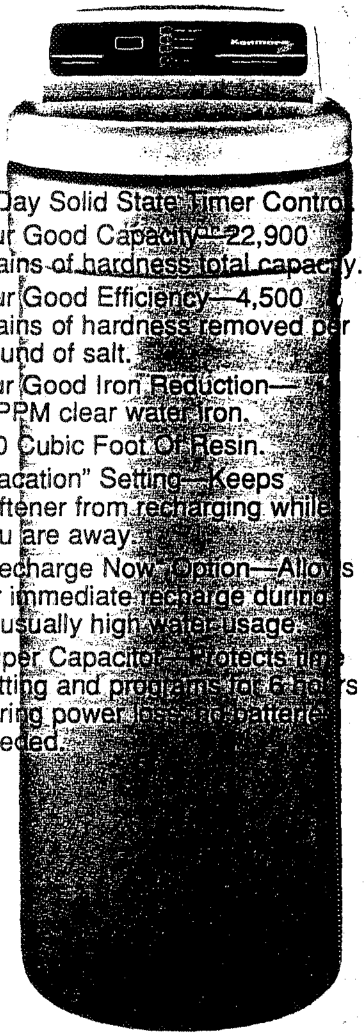
Water Softener Information

INTRODUCING SEARS NEW LINE OF WATER SOFTENERS . . . THERE'S NEVER BEEN A BETTER TIME TO OWN A KENMORE!

REDESIGNED WITH YOU IN MIND . . .
CONTEMPORARY, FUNCTIONAL STYLING • CONVENIENT SINGLE TANK CONSTRUCTION
LARGE SALT STORAGE CAPACITY • SOLID STATE ELECTRONICS FOR DEPENDABLE PERFORMANCE

42 34834

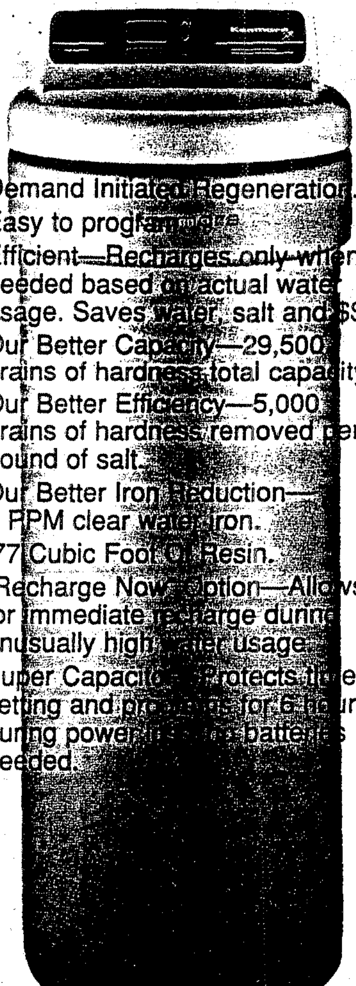
Kenmore SST



- 7 Day Solid State Timer Control.
- Our Good Capacity—22,900 grains of hardness total capacity.
- Our Good Efficiency—4,500 grains of hardness removed per pound of salt.
- Our Good Iron Reduction—3 PPM clear water iron.
- .60 Cubic Foot Of Resin.
- "Vacation" Setting—Keeps softener from recharging while you are away.
- "Recharge Now" Option—Allows for immediate recharge during unusually high water usage.
- Super Capacitor—Protects time setting and programs for 6 hours during power loss. No batteries needed.

42 34844

Kenmore DIR

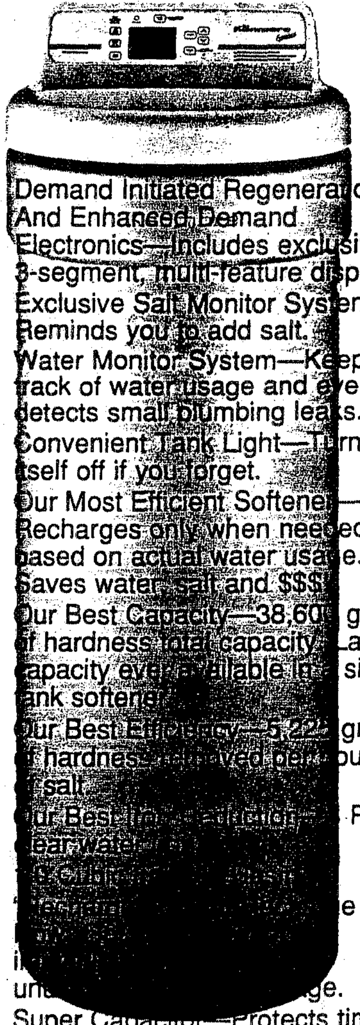


- Demand Initiated Regeneration.
- Easy to program.
- Efficient—Recharges only when needed based on actual water usage. Saves water, salt and $$$!
- Our Better Capacity—29,500 grains of hardness total capacity.
- Our Better Efficiency—5,000 grains of hardness removed per pound of salt.
- Our Better Iron Reduction—5 PPM clear water iron.
- .77 Cubic Foot Of Resin.
- "Recharge Now" Option—Allows for immediate recharge during unusually high water usage.
- Super Capacitor—Protects time setting and programs for 6 hours during power loss. No batteries needed.

42 34854

The Kenmore Genius

OUR BEST WATER SOFTENER EVER!



- Demand Initiated Regeneration And Enhanced Demand Electronics—Includes exclusive 3-segment, multi-feature display.
- Exclusive Salt Monitor System—Reminds you to add salt.
- Water Monitor System—Keeps track of water usage and even detects small plumbing leaks.
- Convenient Tank Light—Turns itself off if you forget.
- Our Most Efficient Softener—Recharges only when needed based on actual water usage. Saves water, salt and $$$!
- Our Best Capacity—38,600 grains of hardness total capacity. Largest capacity ever available in a single tank softener.
- Our Best Efficiency—5,222 grains of hardness removed per pound of salt.
- Our Best Iron [illegible] PPM clear water [illegible]
- [illegible]
- [illegible]e [illegible] i[illegible] un[illegible]ge.
- Super Capacitor—Protects time setting for 24 hours during power loss; programs and data are maintained permanently. No batteries needed.

All units have an adjustable recharge time and 24-Volt Power Transformer.

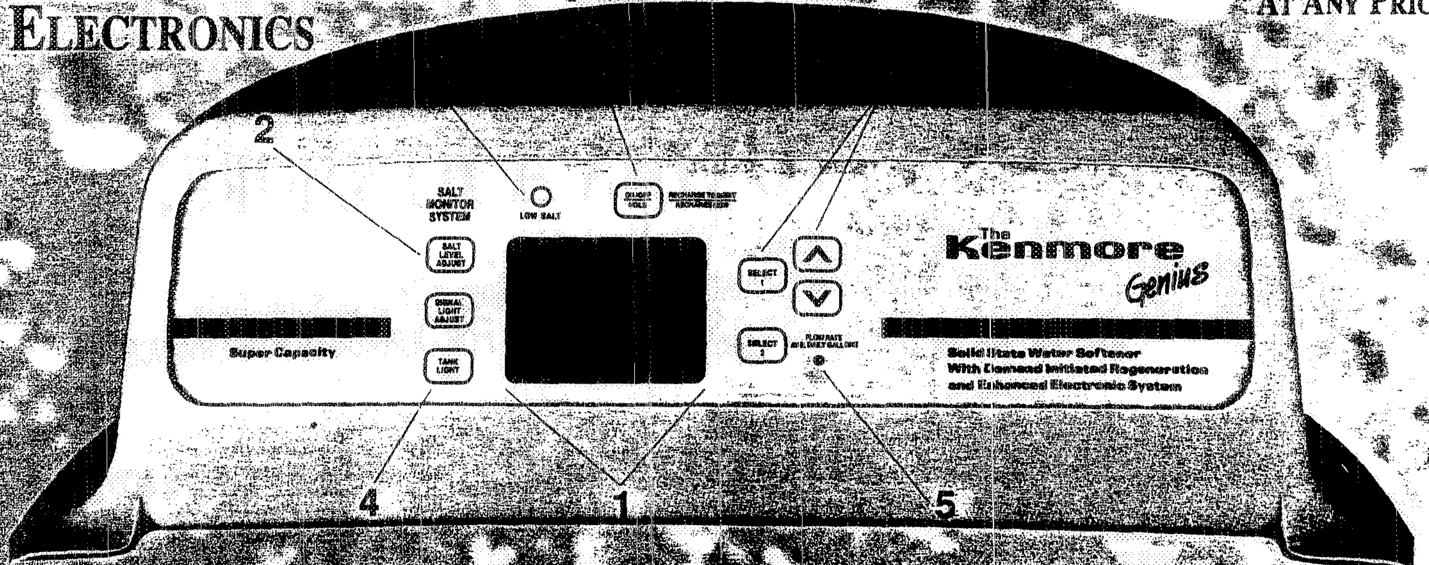
Kenmore . . . OVER 30 YEARS OF WATER TREATMENT EXPERIENCE, A COMPLETE LINE OF SOLUTIONS FOR MOST WATER PROBLEMS.

FREE WATER ANALYSIS—CALL OUR SEARS WATER LINE 1-800-426-9345

PROFESSIONAL INSTALLATION/NATIONWIDE SERVICE — WARRANTY

THE KENMORE GENIUS ENHANCED DEMAND ELECTRONICS

YOU CAN'T FIND THESE FEATURES ON ANY OTHER WATER SOFTENER... AT ANY PRICE!



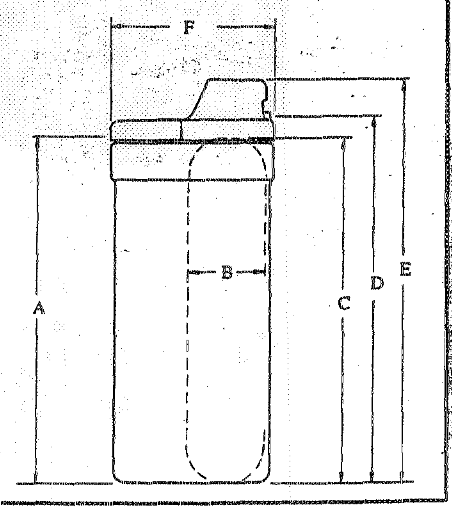
1. **Exclusive State Of The Art 3-Segment, Lighted Display**—All new control panel allows you flexibility and ease in programming. It tracks your salt and water usage and can detect even small leaks in your plumbing system. Retains settings even during power outages.
2. **Exclusive Salt Monitor System**—Adjustable, simply enter level when you add salt. The salt monitor tracks your usage and displays the current salt level.
3. **Low Salt Indicator**—Low salt light lets you know when you are running low. Helps prevent loss of soft water to your home.
4. **Convenient Tank Light**—Allows you to easily see inside the tank and set salt level.
5. **Water Use Monitor System**—You receive the highest salt and water efficiencies because of our adaptive algorithm program. It gathers and maintains water usage and patterns to predict the softeners regeneration needs. It knows when to regenerate, how much salt to use and how much water. In fact, the longer the unit is in use, the smarter ... more efficient ... it gets, because it learns more about your water habits! Display either flow rate (can help detect plumbing leaks) or average daily soft water use.
6. **Recharge Tonight/Recharge Now Features For Times Of Exceptionally Heavy Water Use**—Unexpected guests? Lots of laundry after a vacation? This feature allows you to compensate for the unexpected and assures continuous soft water with just a touch of a button.
7. **Easy To Program Electronic Touch Controls**—A few touches of buttons and your softener is programmed and ready to begin supplying soft water to your home.

KENMORE WATER SOFTENERS QUICK FACTS AND DIMENSIONS CHART

Kenmore Solid State Automatic Water Softeners— MODEL NAME AND NUMBER		SST 34834	DIR 34844	GENIUS 34854
TYPE		Single Tank	Single Tank	Single Tank
CONTROLLER		Solid State Timer	Electronic Demand Initiated Regeneration	Enhanced Electronic Demand Initiated Regeneration
MAXIMUM HARDNESS REMOVAL/GALLON		70 GPG	90 GPG	110 GPG
MAXIMUM CAPACITY (Grains of Hardness Removed)		22,900	29,500	38,600
MAXIMUM SALT EFFICIENCY (Grains of Hardness Removed per Pound of Salt)		4,500	5,000	5,225
CLEAR WATER IRON REMOVAL Maximum Parts Per Million (PPM)		3.0	5.0	8.0
HIGH CAPACITY RESIN (cu. ft.)		.60	.77	1.0
SALT STORAGE CAPACITY (lbs.)		200	200	200
SHIPPING WEIGHT (lbs.)		80	90	100
WATER PRESSURE LIMITS (PSI)		20-120	20-120	20-120
MAX. WATER TEMP. (F°)		120	120	120
ELECTRICAL RATINGS		24V 60Hz	24V 60Hz	24V 60Hz
WARRANTY	Parts & Service	1	1	1
	Electronics	1	1	3
	Resin & Brine Tank	10	10	10
RATED SERVICE FLOW (gal./min.)		8	8	9

DIMENSIONS	INCHES	CM
A Salt Tank Height	40 1/4	102.2
*B Resin Tank Diameter (nominal)	8	20.3
C Resin Tank Height (nominal)	40	101.6
D Inlet-Outlet Height	41 1/2	105.4
Distance Between Inlet-Outlet Center Lines	3 3/8	8.6
E Overall Height	46	116.8
F_1 Length	19 1/2	49.5
F_2 Width	16 1/2	41.9

*The Resin Tank Diameter for the 42-34854, The Kenmore Genius, is 9 inches.



6/94

PRINTED IN U.S.A.

Appendix F

MONTGOMERY WATSON

APPENDIX F

Best Management Practices

Chemical Control Division
7070 CHESTNUT STREET
GILROY, CALIFORNIA 95020
(408) 848-0370
Fax (408) 848-0379

PRETREATMENT REQUIREMENTS FOR MEDICAL AND DENTAL BUSINESSES

Medical and Dental facilities that provide x-ray services including film processing equipment, labs, and/or darkrooms must provide for the treatment and proper disposal of spent fixer, developer solutions and rinse wastewaters.

Spent solutions can be treated with a silver recovery system and/or the waste must be hauled off-site by a licensed waste hauler.

Liquid waste which includes film rinse waters and any treated solutions must meet South County Regional Wastewater Authority's, Gilroy/Morgan Hill Pretreatment Program Local Limits before discharge to the sanitary sewer system.

A Industrial Wastewater Discharge Permit must be granted before any wastewater is discharged to the sanitary sewer system.

Dental Offices must also provide plaster traps for sinks where dental plaster materials are mixed, models poured and trimmed.

Hospitals are subject to all waste disposal regulations and pretreatment requirements for various waste processes. (Laboratories, kitchens, pathology, boiler rooms, cooling water, surgery and radiology departments.)

CCD6/92

Chemical Control Division

7070 CHESTNUT STREET
GILROY, CALIFORNIA 95020
(408) 848-0370
Fax (408) 848-0379

SWIMMING POOL AND SPA DISCHARGE PERMIT

1. Gilroy City Ordinance Sec. 19.98 prohibits the discharge of wastewater to any natural outlet; i.e., street, storm drain, creek, channel, etc. Pool/spa drainings must be discharged to the sanitary sewer.

2. Any private or Commercial pool/spa owner, or operator, interested in discharging pool/spa water must obtain a permit from the Gilroy Fire Department, Chemical Control Division.

   The permit may be obtained at the Chestnut Fire Station, 7070 Chestnut Street, Gilroy, between the hours of 8am and 5pm, Monday through Friday. It is advisable to call the Chestnut Office ahead to assure personnel will be available to issue the permit.

   A contractor performing the work must also obtain a business license from the City of Gilroy or Morgan Hill Finance Department.

   The permit is valid for six (6) months from the date of issue. A $20 fee for processing and the related expenses associated with the treatment of the wastewater, must accompany the application.

3. Commercial pools with filter back washing systems and chemical storage areas, are subject to industrial waste discharge permit requirements or other Hazardous Material Storage Ordinance.

For further information, please call (408) 848-0370.

12/92

Chemical Control Division
7070 CHESTNUT STREET
GILROY, CALIFORNIA 95020
(408) 848-0370
Fax (408) 848-0379

SPECIAL EVENTS
CHEMICAL CONTROL DIVISION
REQUIREMENTS

Special Events conducted in the City of Gilroy which feature food booths, and beverage dispensing facilities must apply for a Special Events Permit and submit a detailed plan with the appropriate fees to the Gilroy Fire Department. The plan shall indicate the event site, location and identity of all vendors, food booths, and required facilities.

The permit shall require the Event Promoter and Event Sponsor(s) to comply with, but not limited to, the following:

1. Specific prohibitions: running water, wash water, gray water, beverage overfill and any other source of liquid waste shall not be discharged to the ground, street, curb or storm drain system.
2. Provide collection facilities for wash water (gray water) generated by food booth clean-up operations.
3. Provide conveniently located depositories for un-consumed beverages available during wine or beer tasting events.
4. Provide sufficient portable toilet facilities.
5. Engage the services of a waste hauler to remove gray water and sanitary waste from the event site for proper disposal.
6. The collection facilities must be conveniently located to food booths to preclude the discharging of gray water to the street curbs or ground.
7. Food booth operators must sign agreements with the event promoter to ensure compliance with waste discharge requirements.
8. Any clean-up of city streets, storm drains, catch basins, creekbeds and rivers of waste attributable to the event shall be billed to the Event Principals.

3/93

4/4/95

Home pesticides endanger marine life in Suisun Bay

By **DENIS CUFF**
Staff writer

Contra Costa residents pouring and rinsing common household pesticides down the drain are making treated sewage lethal to small marine life in Suisun Bay, scientists at the county's largest sewage plant have found.

The cutting-edge research has stoked new interest in what should be done to manage pesticides in urban areas.

State regulators say the study shows the need for more attention to research and management of common pesticides like diazinon, a lawn and garden pest killer, and chlorpyrifos, a flea and termite pesticide. Both substances showed up in the Central Contra Costa Sanitary District sewage, and researchers did tests linking those pesticides to the toxicity of the waste water.

Researchers said chemicals are making it into the bay after passing through the North Concord sewer plant for Central County and the San Ramon Valley.

The effluent has barely detectable concentrations of the pesticides. Yet the sewage kills water fleas, a basic link in the food chain for fish and aquatic life in the San Francisco and Suisun bays, the researchers concluded in a two-year study.

Their study also tracked most of the pesticide source to sewer pipes from residential neighborhoods.

"We are moving into a new area of pollution control," said Jim Kelly, plant operation division manager for the 200,000-customer Central San. "As a cartoon saying goes, 'We have met the enemy, and the enemy is us.' "

Sewer officials attribute the problem to people dumping unused

Please see **PESTICIDES**, back page

Pesticides

FROM PAGE 1A

pesticides down drains and toilets, rinsing containers or sprayers in sinks, and giving flea dips to cats or dogs in indoor tubs and sinks.

Representatives for DowElanco, a chlorpyrifos maker, say Central San is the only sewer plant they know of that has encountered effluent toxicity problems associated with the pesticide.

"They have shown these substances are very toxic to little critters," said Steve Ritchie, the executive officer of the San Francisco Regional Water Quality Control Board, the state water pollution regulator for the Bay. "We see growing evidence you can't blame all the pesticide sins in California on farmers in the Central Valley."

To protect the environment, Central San this week launched a $19,000 advertising campaign urging consumers not to dump pesticides down the drain.

Advertising appears in newspapers and movie theaters. Brochures appear in hardware and other stores in Central County and the San Ramon Valley that sell household pesticides and root killers.

The advice: Use pesticides sparingly; read labels; give unused pesticides to a friend to use or take them to a household hazardous-waste collection center.

Central San administrators say their agency could be slapped with stiff fines or cleanup orders unless it produces cleaner effluent. During the summer, the treated sewage sometimes kills all the fleas exposed to it during 48-hour lab tests.

Aiming at consumers

District administrators say it's cheaper and easier to change consumers' behavior than to equip the sewer plants with $30 million in pesticide-absorbing filters or seek to ban the use of the pesticides.

"We think a more common sense approach is let's not have government in our face, let's not spend a lot of our ratepayers' money. Let's use more stewardship. Let people take care of things properly," Kelly said.

Not everyone agrees.

"This should be a warning not to allow the use of these pesticides," said Dr. Marion Moses, a physician with the Pesticide Education Center in San Francisco, a nonprofit watchdog group. "Rather than bang people over the head about how to use these products, the best approach is to not use them. There are safer al-

She said boric acid is a safer way to kill termites. Plant-based insecticides are safer for killing fleas, she said.

State water pollution and pesticide regulators, however, applaud the sanitary district for trying to educate consumers to voluntarily clean up their act.

"I think it's great they're showing leadership and raising this issue. For starters, these pesticides should not be going down the drain," said Paul Gosselin, assistant director of the state Department of Pesticide Regulation.

Because pesticides are designed to kill pests, it's reasonable to allow them if the substances can be used without killing other things, Gosselin said.

Education campaign under way

Two pesticide companies, DowElanco and Ciba, helped Central San set up the education campaign. Representatives for those manufacturers say they doubt the effluent is causing significant environmental harm because it gets diluted in Suisun Bay.

exposed to undiluted, treated sewage, but the discharge point for Central San's effluent is the Suisun Bay waters, the mixing zone for bay saltwater and Delta fresh water.

"My judgment is it's well below levels of toxic concern," said Dennis Tierney, environmental production manager for the Ciba Corp., a large diazinon maker based in Greensboro, N.C.

Communities in Greenview and Fort Worth, Texas, were able to stop killing fleas in sewage tests after they mounted campaigns not to dump poisons down the drain, he said.

Tim Maniscalo, spokesman for DowElanco, based in Indiana, said it is following Central San research. The company uses the chemical in Dursban, a popular termite, flea and garden pesticide.

"We are trying to understand from a scientific point of view what is going on here and what role our compound is playing," Maniscalo said.

New Environmental Protection Agency regulations spurred Central San to look harder for problems

The sewer plant had exposed fish to effluent for years, but new rules require testing on more sensitive organisms like fleas.

The discovery of flea deaths in Central San tests triggered a two-year detective job to track down a source.

Diazinon and chlorpyrifos were found in parts per trillion, a measurement smaller than could be detected until a few years ago.

Dursban killed half the fleas in lab tests in concentrations equivalent to one drop of pesticide spread out over 10 backyard swimming pools.

Central San officials conclude that diazinon and chlorpyrifos are partially to blame for the flea deaths, but other substances are contributing as well.

"We don't think it's good to be putting any pesticide down the drain," Kelly said. "You're never sure how things are reacting with each other in the soup of chemicals

---

Clean laundry is dirty deal for life at end of the drain

By **DENIS CUFF**
Staff writer

MARTINEZ — Pollution detectives are making a clean start at tracking down toxic substances that go down the drain. They're washing clothes.

Really.

Chemists at the Central Contra Costa Sanitary District borrowed washing machines last summer and did volunteers' laundry for two weeks to analyze residues in wash water. Their findings surprised them.

- Colored clothes bled large amounts of copper, a heavy metal that is toxic to aquatic life. Color dyes are the suspected source.
- Work uniforms worn by people who apply pesticides taint wash water with many times the concentration of chemicals that is lethal to tiny marine life.

Sewer plant operators say they don't want people to wear only white clothes, but they need to know what goes down the drain with laundry water, said Bart Brandenburg, the district's source control superintendent.

Regulators are targeting increasingly small concentrations of pollutants in their effort to protect the Bay.

Laundry water contributes 8.8 percent of the copper coming into the sewer plant, Brandenburg said.

Central San uses the figure to argue the need for a proposed Bay Area sales ban on a larger copper source: chemicals that some homeowners pour in sewer pipes to kill roots that clog them.

Those root killers contribute 14 percent of the copper going into the sewer plant. There are nontoxic alternatives to the products.

"The copper root killers are a bigger source of copper, and (it's) a lot easier to control them than laundry water," Brandenburg said.

Chemical residues from pest control workers' uniforms gave wastewater planners an idea for cutting pollution. They suggest that people who spray pesticides hang their items of protective clothing for two or three days before washing them.

Many garden pesticides break down rapidly in sunlight but can persist for weeks in water.

BOB PEPPING/Times

BART BRANDENBURG, Central San source control superintendent, holds examples of household pesticides that can hurt marine life. At right is Phil Snyder, a senior chemist.

☐ TIPS ON HOME PESTICIDE USE

- Don't pour pesticides down the sink, tub or toilet because the chemicals pass through sewer plants into rivers and bays.
- Rinse used pesticide containers outdoors on the ground or grass, a big pollution sponge. Don't rinse containers near a gutter or storm drain.
- After you spray pesticides, hang up gloves and outer clothing two or three days to give sunlight time to break down the chemicals.
- Don't put copper-based root killers into your sewer pipe to keep tree roots from clogging it up. Instead, hire a mechanical root remover. You can also buy chemical root killers without copper.
- Read pesticide direction and warning labels.
- Use pesticides sparingly. If you have extra, give them to friends or neighbors.
- You can drop off unused pesticides for no charge at county household hazardous waste collection centers or events. For information in Contra Costa County, call 1-800-750-4096. In Alameda County, call 1-800-606-6606.

Source: Central Contra Costa Sanitary District

☐ DAILY LOTTERY

Monday, April 3

Daily 3: 5 3 1

Decco:

♡Q ♣7 ◇K ♠3

☐ FANTASY 5

Monday, April 3

4 8 10 26 33

Prizes

Category	Pool to be shared
5-of-5	30% of pool
4-of-5	30% of pool
3-of-5	40% of pool

BAY AREA
HAZARDOUS WASTE REDUCTION COMMITTEE
c/o East Bay Municipal Utility District • P.O. Box 24055 MS 702 • Oakland, CA 94623-1055 • 510-287-1511

Bay Area Hazardous Waste Reduction Committee (BAHWRC)

Bibliography of Pollution Prevention Resource Materials

December 1994

PURPOSE

BAHWRC is interested in facilitating resource sharing and in helping local government agencies avoid "reinventing the wheel." The purpose of this bibliography is to make BAHWRC members and others aware of the various resource materials held by the Committee. The materials are stored at the BAHWRC office (located at the East Bay Municipal Utility District) and are available for review by appointment Those interested in a particular item listed are invited to call BAHWRC with questions or to contact the publishing agency directly.

Most of the materials listed have been contributed by BAHWRC members and range in nature from workshop announcements to promotional buttons to pollution prevention guidebooks. If you have materials that you are interested in sharing with other agencies, you are encouraged to submit them to BAHWRC for inclusion in this bibliography.

Staff will provide copies (photocopies) of specific items to interested parties and will search the Committee's holdings for materials related to a particular subject upon request. Contact BAHWRC staff at (510) 287-1511 for information regarding the materials listed or to make any changes or corrections.

HOW THE LISTINGS ARE ORGANIZED

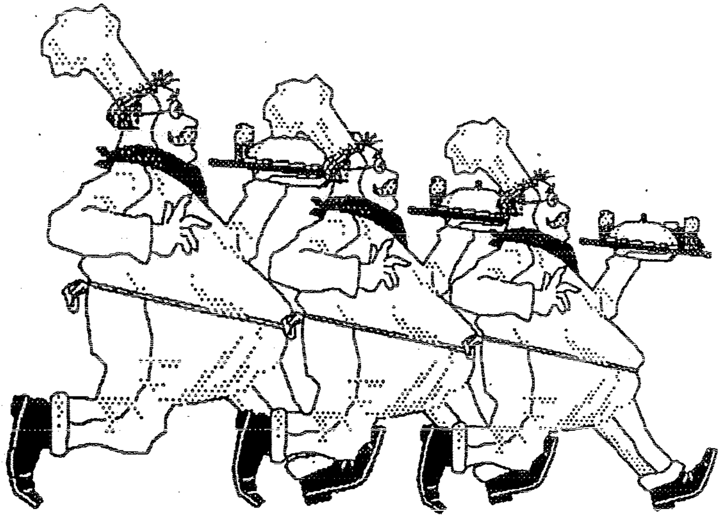
Agencies which have published materials noted in this bibliography are arranged in alphabetical order within the framework shown below.

- Government Agencies
    - City
    - County
    - Regional/Quasi-Governmental
    - State
    - Federal
- Nongovernmental Organizations

Materials are listed below their agency of publication in alphabetical order and are classified by format based on the following categories: brochure, factsheet, flyer, guidance document, guidebook, newsletter, other -, other publication -, poster, report, and resource document. New listings will be noted with the addition of a ✗.

Over ➡

Be a part of the Team!
Keep the Bay CLEAN!



Water Quality Protection Guidelines for Food Handling Facilities

Regional Water Quality Control Plant

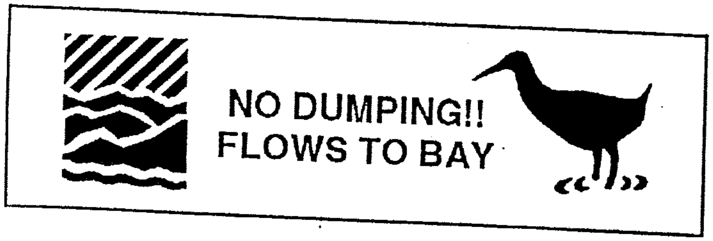
Operated by the City of Palo Alto for the communities of East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

Water quality protection guidelines for food handling facilities

In the Santa Clara Valley, storm drains flow directly to local creeks and San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways, and for people who live near polluted streams or baylands.

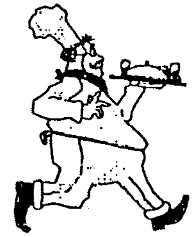
Food handling facilities such as restaurants, institutional cafeterias, grocery stores, bakeries, and delis, can contribute to stormwater pollution mainly through improper cleanup practices that allow food particles, oil and grease, and cleaning products to flow to a street, gutter, or storm drain.

In communities served by the Regional Water Quality Control Plant (East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford) discharge of grease or oil to the storm drain is prohibited by ordinance. Sanitary sewer grease traps or other grease removal devices are required for all new construction and are being retrofitted on existing facilities after a violation of the ordinance has been cited or by January 1, 1997, whichever comes sooner.



BMPs for a cleaner Bay

Following the "Best Management Practices" (BMPs) in this manual will ensure compliance with ordinance requirements with respect to both the sanitary sewer and the storm drains, and will contribute to a cleaner Bay.



Contents

What types of pollution do food handling facilities generate? 4
Sewer of Storm Drain? 4
Summary of BMPs 5
BMP #1
Pavement cleaning and spill cleanup 6
BMP #2
Cleaning and maintaining equipment 8
BMP #3
Grease handling and disposal 9
BMP #4.
Refrigeration/cooling tower maintenance 9
BMP #5
Landscaping and garden maintenance 10
BMP #6
Training employees 11
Numbers to call in case of a spill or emergency 11
Checklist for Water Quality Protection .... back cover

What types of pollution do food handling facilities generate?

All substances left in a street, gutter, parking lot, or alley—or dumped into a storm drain—end up in local creeks and San Francisco Bay, with no treatment.

☐ In addition to drawing flies and vermin and causing odor and public health problems, decaying organic materials use up dissolved oxygen in streams and the Bay, stressing or killing aquatic animals.

☐ Oil and grease cause additional health problems, and also plug sanitary sewer lines, causing sewer backups and severe risks to human health.

☐ Food handling facilities sometimes also discharge toxic chemicals, including cleaning products, disinfectants, and pesticides. Even biodegradable soaps contain ingredients which are initially toxic to aquatic life.

Sewer or storm drain?

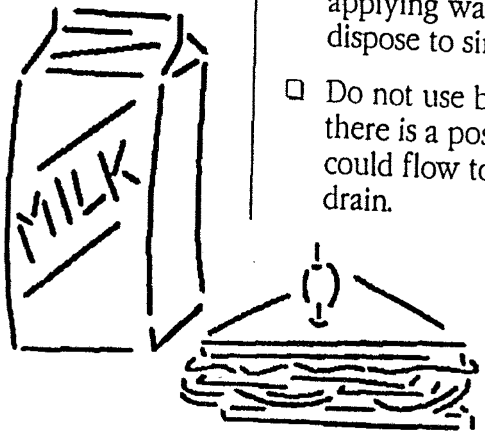
If you are not certain whether a drain leads to the storm drain or sanitary sewer, call your city's sewer department so that they can help you resolve the question. In general, drains inside the building are connected to the sanitary sewer, and outside drains (except for capped sanitary sewer "cleanouts") are connected to the storm drain system. Sanitary sewer cleanouts are usually 6 inches in diameter or smaller, and storm drain inlets are larger – *but there are exceptions.* You need to know for sure!

When you're doing this. . .	. . . Don't forget to do this!
Cleaning dumpster areas, loading docks, or any paved surfaces	Control litter. Make sure the leasing company maintains and cleans dumpsters regularly; return leaking dump-sters for repair immediately. If you must wash down a dumpster, loading dock, or other outdoor surface for health reasons, use dry cleanup methods first, and then rinse, collect water, and discharge to the sink or indoor floor drain.
Cleaning up spills	Control the spill, then sweep or clean up with rags and granular absorbents. Dispose absorbents to trash, then mop and collect water, put down sink or indoor floor drain.
Cleaning up hazardous materials (e.g. cleaning products)	Use procedure above, but send residue and absorbents to a hazardous waste disposal site.
Cleaning large equipment	Clean indoors or within a bermed outdoor area where cleaning water will not flow to a storm drain. Collect water and dispose to a sink or indoor floor drain.
Handling grease, oils, and meat fat	Save for recycling in sealed containers. Never pour into a sink, floor drain, or storm drain.
Maintaining cooling towers and refrigeration equipment	Make sure all discharges go to the sanitary sewer and NOT to the street, storm drain, or creek. Advise your maintenance contractor about storm drain protection.
Landscaping and garden maintenance	Control erosion. Keep yard waste out of the street and storm drain. Use chemicals sparingly, and never in wet weather.

BMP #1: Spill cleanup and pavement cleaning

When cleaning dumpster areas, loading docks, and other paved surfaces, and whenever a spill occurs

- ☐ First, stop any spill at its source.
- ☐ Next, dry sweep.
- ☐ IF wet cleaning (including high-temperature or high-pressure washing) is required, use this 3-step process:
  1. Clean up as much as possible with rags.
  2. Use granular absorbents (e.g. cat litter) to collect residue. Sweep and dispose in trash if hazardous materials are not involved.
  3. Mop (or, if absolutely necessary, wash) and collect water, and dispose of water in sink or sewer drain, not the storm drain.
- ☐ If a final rinse is necessary for health reasons, collect the rinse-water and dispose to sink or indoor floor drain. If outdoors, block storm drain before applying water, collect water, and dispose to sink or indoor drain.
- ☐ Do not use bleach or disinfectants if there is a possibility that rinse- water could flow to a street, gutter, or storm drain.



Dumpsters and loading dock areas

- ☐ Have spill cleanup materials handy in dumpster and loading dock areas.
- ☐ Keep litter from accumulating around loading docks by providing trash receptacles and encouraging employees to use them.
- ☐ Make sure that dumpsters and containers of grease, meat fat, and used cooking oil are always tightly covered.

Spill Cleanup plan

Each establishment should have a spill clean-up plan that includes:

- ✓ Procedures for different types of spills
- ✓ Schedule for training and refreshing employees about the procedures
- ✓ Clean-up kits in well-marked, accessible locations
- ✓ Designation of a key employee who monitors clean-up

- ☐ Post the plan in the work area.

BMP #2: Cleaning and maintaining equipment

When cleaning floor mats, carts, tray racks, exhaust filters, hoods, cooking equipment, food containers, etc.

☐ Do not clean equipment outdoors or in any area where water may flow to a street, gutter, storm drain, or creek.

☐ In order of preference:

1. Clean equipment in a designated indoor area, such as a kitchen sink or floor, with a drain connected to the sanitary sewer.
2. Clean equipment in a designated *covered* outdoor area with a drain connected to the sanitary sewer. This area should be isolated from the storm drain with a berm or other barrier.
3. Clean equipment in a small designated uncovered outdoor area, isolated from the storm drain with a berm or other barrier, where water can be collected for disposal in the sanitary sewer.

☐ Use a static rinse tank to clean filters, screens, frying racks, etc. Dispose of used solution to the sanitary sewer.

☐ If possible, use floor mats that are small enough to be cleaned inside near a floor sink or drain plumbed to the sanitary sewer.

☐ Drain, oven, and toilet bowl cleaners: Use up, and place empty containers in dumpster.

BMP #3: Grease handling and disposal

When cleaning frying equipment or storing fat or grease for removal to a grease recycler

☐ Never pour oil, grease, or large quantities of oily liquids such as sauces or salad dressings down a sink, sanitary sewer drain, storm drain, or into a dumpster. Most landfills will not accept grease or other liquid wastes from business/commercial customers.

☐ Recycle waste oil and grease whenever possible.

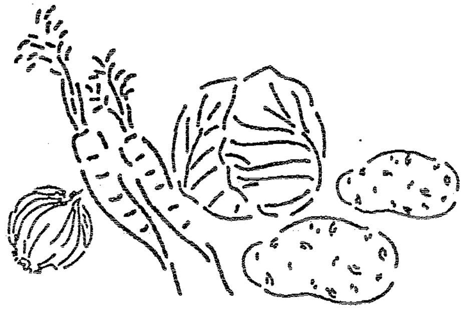
☐ Inspect and clean grease interceptors and traps regularly. In Santa Clara County, health department regulations require you to clean grease traps at least every three months.

BMP #4. Refrigeration/ cooling tower maintenance

For large food handling facilities such as grocery stores, with large refrigeration units and cooling towers

☐ Make sure all discharges from cooling equipment goes to the sanitary sewer and NOT to the street, storm drain, or creek.

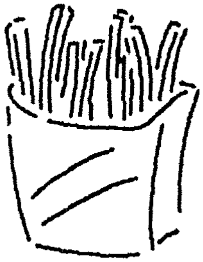
☐ Make sure your maintenance contractor is knowledgeable and skilled at minimizing corrosion with correct chemical treatment.



BMP #5: Landscaping and garden maintenance

For restaurants and other businesses with landscaped grounds

- ☐ Schedule grading and earth-moving landscaping projects for periods of dry weather.
- ☐ When landscaping, protect nearby storm drains with hay bales or other erosion controls. Refer to *Blueprint for a Clean Bay,* a simple manual of construction practices that will minimize stormwater pollution, available from the Regional Water Quality Control Plant or the Santa Clara Valley Nonpoint Source Pollution Control Program. (See numbers at right.)
- ☐ Collect grass clippings, leaves, tree pruning waste, etc. for composting or place in trash. Do not blow, rake, or sweep yard waste into the street or gutter.
- ☐ Use minimal amounts of pesticides, fertilizers, etc.–and only in dry weather periods. Never exceed manufacturer's recommended application rates. Landscaping runoff is a significant source of stormwater pollution.
- ☐ Do not use copper-based algicides in pools or fountains. Control algae with chlorine or other alternatives to copper-based products.



BMP #6: Training employees

Food handling establishments often have high rates of employee turnover

- ☐ Discuss good pollution control practices with all employees at least quarterly.
- ☐ Systematically inform new employees about these best management practices.
- ☐ Post cleanup guidelines and the name of each shift's designated spill cleanup monitor in a visible location.
- ☐ Complete the checklist on the back of this brochure, and share it with employees.

For more information:

In East Palo Alto, Los Altos Hills, Palo Alto, and Stanford, call the Regional Water Quality Control Plant (business hours)	329-2598
In Mountain View	903-6378
In Los Altos	948-1491 x230
Santa Clara Valley Water District (business hours)	408/265-2600
(evenings,weekends)	408/395-8121

For additional copies of this brochure call the Regional Water Quality Control Plant, 329-2598.

In case of a spill or emergency...

For help stopping spills from flowing to a creek or storm drain, call Emergency Response 911 IMMEDIATELY!

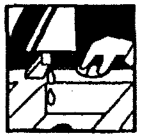
Checklist for Water Quality Protection

	Yes	No	n/a
General Information			
1. All management personnel have reviewed this brochure.	☐	☐	☐
2. All employees have been advised of these BMPS.	☐	☐	☐
3. Storm drains are stencilled "No Dumping! Flows to Bay." (For stencils, call 800/794-2482.)	☐	☐	☐
Grease Traps/Interceptors			
1. A grease trap is located inside the facility.	☐	☐	☐
2. A grease interceptor is located outside the facility.	☐	☐	☐
3. Frequency of pumping/removing grease: every ____weeks,____months, ____years			
4. All records of grease pumping are kept for three years, as required by ordinance.	☐	☐	☐
5. The following fixtures are connected to a trap or interceptor:			
a. Wall- or floor-mounted sinks	☐	☐	☐
b. Automatic dishwashers	☐	☐	☐
c. Floor drains	☐	☐	☐
d. Other____________________	☐	☐	☐
Equipment Cleaning			
1. The following items are cleaned in such a manner that all washwater goes to the sanitary sewer or is hauled offsite:			
a. Grease filters	☐	☐	☐
b. Floor mats	☐	☐	☐
c. Floors (mop water and rinse water)	☐	☐	☐
d. Grill(s)	☐	☐	☐
e. Other____________________			
Dumpsters and Recycling Containers			
1. Dumpsters and recycling containers are always covered.	☐	☐	☐
2. There are no signs of leaks or missing drain plugs.	☐	☐	☐
3. Spilled materials around garbage containers are picked up regularly.	☐	☐	☐
4. If water is used to clean the area, washwater is collected or directed to the sanitary sewer.	☐	☐	☐
Spill Response			
1. In case of a spill (e.g. grease), absorbents such as cat litter are readily available.	☐	☐	☐
2. Employees are trained:			
a. To control and clean up spills	☐	☐	☐
b. To call for assitance in case of emergencies	☐	☐	☐

EPA

nore information on what you and your
ommunity can do to use water more
efficiently, contact:

S. Environmental Protection Agency
Office of Water
401 M Street, S.W.
Washington, D.C. 20460



For more information on pollution
ention programs at U.S. EPA, contact:

S. Environmental Protection Agency
Office of Pollution Prevention
401 M Street, S.W.
Washington, D.C. 20460

United States
Environmental Protection
Agency

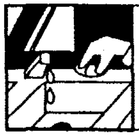
20W-0002
July 1990

OW (WH-556) OPPE (PM-222)

EPA

Preventing Pollution Through Efficient Water Use

How Efficient Water Use Helps Prevent Pollution



Other Reasons to Use Water Wisely

What Individuals Can Do

What Communities Can Do

How Efficien

Using water more efficiently can help prev
resources. More efficient water use by you

Fewer Pollutants

- ☞ Using less water reduces the amount o
  water discharged into our lakes, strean
  and marine waters.
- ☞ The amount of pollutants wastewater
  also be reduced, as treatment efficiency
- ☞ Recycled process water can reduce pol
  from industry.
- ☞ More efficient irrigation can minimize
  agricultural pollutants and reduce the
  fertilizers and pesticides.

Protection of Aquatic Habitats

- ☞ Building fewer and smaller new water
  can help preserve wetlands, which nat
  treat pollutants.
- ☞ Diverting less water preserves more st
  to maintain a healthy aquatic environn

United States
Environmental Protection
Agency

20W-0002
July 1990

OW (WH-556)
OPPE (PM-222)

Preventing Pollution Through Efficient Water Use

ow Efficient Water Use
elps Prevent Pollution

ther Reasons to Use
ater Wisely

hat Individuals
an Do

hat Communities
an Do

How Efficient Water Use Helps Prevent Pollution

Using water more efficiently can help prevent pollution as well as protect and conserve our finite water resources. More efficient water use by you and your community has many other benefits.

Fewer Pollutants

- Using less water reduces the amount of wastewater discharged into our lakes, streams, rivers, and marine waters.
- The amount of pollutants wastewater carries can also be reduced, as treatment efficiency improves.
- Recycled process water can reduce pollutants from industry.
- More efficient irrigation can minimize runoff of agricultural pollutants and reduce the use of fertilizers and pesticides.

Protection of Aquatic Habitats

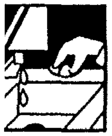
- Building fewer and smaller new water projects can help preserve wetlands, which naturally treat pollutants.
- Diverting less water preserves more streamflow to maintain a healthy aquatic environment.

Protection of Drinking Water Sources

- Less pumping of groundwater lowers the chance that pollutants will be drawn into a water supply well.
- With less water use, septic system performance can improve, reducing the risk of groundwater contamination.
- Highest quality water sources are preserved for drinking water by using treated wastewater for other uses.

Energy Conservation

- Efficient water use means less power needed to pump and treat water and wastewater.
- Less water use reduces the amount of energy required for heating hot water.
- Less energy demand results in fewer harmful by-products from power plants.



Other Reasons to Use Water Wisely

nting pollution is only one reason why using
efficiently makes sense. Here are a few more:

ey Saved

ess water use results in fewer pumping and
eatment costs.

aving money on water and wastewater opera-
ons frees money for meeting water quality,
ublic health and water treatment goals.

Vater saved is also energy, and money, saved for
ou and your community.

roved Reliability

Vater conservation provides a hedge against
rought impacts.

mproving water efficiency may be quicker and
heaper than developing a new supply.

educed water use may extend the life of your
vater or wastewater facility.

educed water use may increase the efficiency of
vastewater treatment, and reduce overflows
luring storms.

ommunities which use water efficiently are
etter prepared to cope with effects of possible
uture climate change.

What Individuals Can Do

More efficient water use begins with individuals, in the home and place of work. Taking these and other steps, and encouraging others to do so, makes good economic as well as environmental sense.

In The Home

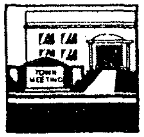
- Install a toilet dam or plastic bottle in your toilet tank.
- Install a water-efficient showerhead (2.5 gallons or less per minute).
- When you buy a new toilet, purchase a low flow model (1.6 gallons or less per flush).

Outdoors

- Water in the morning or evening, to minimize evaporation.
- Install a drip-irrigation watering system for valuable plants.
- Use drought-tolerant plants and grasses for landscaping, and reduce grass-covered areas.

At Work or School

- Adopt the same water-saving habits that are effective at home.
- Ask about installing water-efficient equipment and reducing outdoor water use.
- Encourage employers to explore the use of recycled "gray-water" or reclaimed wastewater.



W

A water supplier or wastewater system o
deliver water more efficiently. A commu

Not all of these steps are expensive. The
these are appropriate where you live an

A Water Supplier or Wastewater Processor Can:

- Identify who uses water, and reduce
  counted-for water use.
- Find and repair leaking pipes.
- Consider a new pricing scheme whic
  ages conservation.
- Reduce excess pressure in water line
- Explore the reuse of treated wastew
  other than drinking water.
- Charge hookup fees which encoura
  efficient water use in new buildings.
- Build water efficiency into future de
  jections, facility planning, and drou
  ning.

What Individuals Can Do

t water use begins with individuals, in
d place of work. Taking these and other
ncouraging others to do so, makes good
well as environmental sense.

ne

oilet dam or plastic bottle in your toilet

vater-efficient showerhead (2.5 gallons
r minute).

ı buy a new toilet, purchase a low flow
6 gallons or less per flush).

the morning or evening, to minimize
on.

lrip-irrigation watering system for
plants.

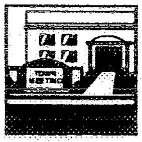
ght-tolerant plants and grasses for land-
ınd reduce grass-covered areas.

School

same water-saving habits that are
ıt home.

t installing water-efficient equipment
ing outdoor water use.

e employers to explore the use of
"grav-water" or reclaimed wastewater.



What Communities Can Do

A water supplier or wastewater system operator (public or private) has cost-effective options to process and deliver water more efficiently. A community can do the same, and can foster ways to use water wisely.

Not all of these steps are expensive. The best choices vary by region and by community; start by asking if these are appropriate where you live and work.

A Water Supplier or Wastewater Processor Can:

☞ Identify who uses water, and reduce unaccounted-for water use.

☞ Find and repair leaking pipes.

☞ Consider a new pricing scheme which encourages conservation.

☞ Reduce excess pressure in water lines.

☞ Explore the reuse of treated wastewater for uses other than drinking water.

☞ Charge hookup fees which encourage more efficient water use in new buildings.

☞ Build water efficiency into future demand projections, facility planning, and drought planning.

A Community Can:

☞ Adopt plumbing and building codes that require water-efficient equipment and practices.

☞ Adopt a water-efficient landscaping ordinance to reduce the water used for golf courses and commercial landscapes.

☞ Retrofit older buildings with water-efficient equipment, starting with public buildings.

☞ Reduce municipal water use for landscaping and other uses.

☞ Conduct a public education campaign.

☞ Require developers to build in water efficiency measures.

Recipes for Safe Household Cleaning Alternatives

❧ Window Cleaners:	Measure 3 tablespoons ammonia, 1 tablespoon white vinegar, and 3/4 cup water into clean spray bottle. Spray on window and wipe clean. *Glass* - spray vinegar on glass and wipe dry with newsprint.
❧ Metal Polishes:	*Brass* - polish with Worcestershire sauce. *Copper* - soak in vinegar and salt solution. *Silver* - soak in a quart of warm water containing 1 teaspoon baking soda, 1 teaspoon salt, and a piece of aluminum foil.
❧ Abrasive Cleaners:	*Toilet* - pour 1/2 cup chlorine bleach into toilet bowl, let stand for 30 minutes, scrub with long-handled brush, then flush. *Drain* - flush with boiling water, 1/4 cup baking soda, and 2 ounces of vinegar. *Sinks* - use store brands that do not contain chlorine, or scrub with baking soda.
❧ Air Fresheners/ Deodorizers:	(a) Sprinkle baking soda in odor-producing areas. (b) Set vinegar out in an open dish (c) Place an open box of baking soda in the refrigerator to absorb food odors. (d) Pour baking soda down garbage disposal to get rid of disposal and drain odors. (e) Sprinkle baking soda over entire carpet and vacuum after 30 minutes.
❧ Mothballs:	Place cedar chips, newspapers or lavender flowers around closets. Wool clothing should be cleaned and wrapped in plastic bags during warm weather.
❧ Ants:	Pour boiling water over the nest, then remove any accessible food and water around nest. Pour a line of cream of tartar or chili powder where ants enter the house. They will not cross this line.
❧ Roaches:	Clean up food in area found and around house. Place bay leaves near cracks. Caulk all cracks around home and use sticky traps. Set out a dish containing 50% oatmeal and 50% plaster of Paris.

For more information please contact the
Sunnyvale Water Pollution Control Plant (408) 730-7260.

KEEPING A HOME HEALTHY

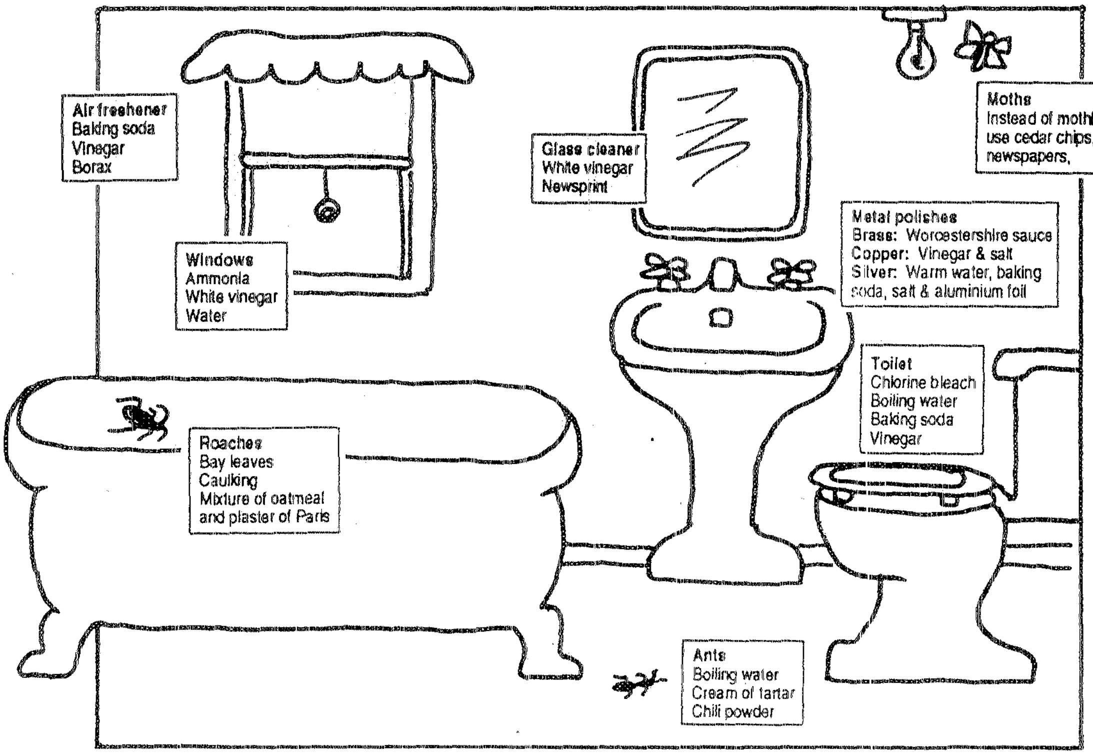
The Facts

✓ The American homeowner uses more than 40 pounds of toxic cleaning products every year.

✓ Fifteen percent of all toxic pollutants that enter our streams come from our homes.

✓ Household cleaning products gross an estimated 8.8 million dollars every year. These household products may help us maintain a clean home but, meanwhile, they are polluting our homes as well as the environment.

Safe Alternatives If extra care is taken to use safe cleaning alternatives, the long term result is a better environment for all of us. There are many safe alternatives to the large amount of dangerous chemicals that are on the market today. The illustration below shows some safe cleaning product examples.



Simple Solutions With a few easy steps, we can cut back on hazardous chemicals used at home. Here are three remedies to some common problems.

❶ Store out of season clothes with cedar chips instead of mothballs.
Not only do cedar chips make your clothes smell fresher, they are also environmentally friendly. Mothballs are considered hazardous waste.

❷ Buy fly swatters instead of insecticide to get rid of pestering insects.
A fly swatter is a cheaper way to get rid of insects, it has been proven very effective, and also alleviates the responsibility of having to take the insecticide cans to a hazardous waste collection center.

❸ Eliminate the use of copper root control products.
The practice of pouring these products down the drain or toilet to get rid of tree roots has been proven ineffective and ultimately ends up polluting the San Francisco Bay and harming wildlife.

Auto Body Repair Industry
Pollution Prevention Checklist

Name of Business

Address

Site ID #

SIC Code

Business Volume
__________ repair jobs/week

Volume of Waste

In This Area/Job Task	If You Find This	Suggest This	Currently Doing This	Could Be Implemented	Does Not Apply
Material Storage Area	Damaged or open containers	Keep containers closed and replace damaged containers.			
	Deteriorating materials or several partially used containers	Control inventory by properly labeling and dating containers. Periodically inspect inventory and order only that amount which is needed.			
Automobile Cleaning	Cleaning of automobile in areas exposed to paint or other wastes	Clean automobiles using detergent and water only where operation will not mix with paint and other wastes.			
Automobile Disassembly	Collection of fluids from automibiles which can be wastes	Save antifreeze and oils removed from automobiles and reuse. If materials cannot be reused, then recycle them off-site			
Body Filling and Sanding	Excessive body filler waste	Limit access to body filler. Have employees justify use of bondo and account for quantity used.			
	Wash down of sanding area	Collect dust by sweeping, not by washing. Use “wet vac” if wet sanding is performed.			
Priming and Painting	Excessive paint use	Only mix amount of paint that is needed.			
	Excessive paint overspray	Train employees to use proper spray gun angle and gun pressures.			
	High use of lacquers	Use enamels if possible. They requires less VOC content and less sanding.			
Cleanup	Manual cleanup of spray guns	Do not spray solvent through gun to clean it. Use spray gun cleaning unit which is totally enclosed and recovers spent thinner. Scrape paint from cup before cleaning.			
	Disposal of spent thinners	Reuse spent thnners for primers and base coats. Recycle off-site or recycle on-site by installing a distillation unit.			

Photoprocessing Industry
Pollution Prevention Checklist

Name of Business	
Address	
Site ID #	**SIC Code**
Business Volume __________ rolls/week	**Volume of Waste**
Types of Waste	

In This Area/Job Task	If You Find This	Suggest This	Currently Doing This	Could Be Implemented	Does Not Apply
Storage Room	More than a month's supply	Minimize inventories to reduce losses from overage.			
	Un-labeled containers	Add labels so chemicals are not mistakenly mixed.			
	Open containers	Close lids tightly to slow down aging.			
	Room is hot or dusty	Cool/clean room to prolong chemical life.			
	No spill clean-up / safety gear	Obtain simple clean-up kit; use gloves & glasses.			
	No material safety data sheets	Obtain from chemical supplier; train employees.			
	High shelves	Consider both lifting hazard & earthquake risk.			
Darkroom (if any)	Chemicals left in trays between use	Return baths to "working" storage to keep fresh.			
	Once-through flowing water rinse	Valve, timer, or 2-stage rinse to reduce water use.			
	Spent solutions put down drain	Recover silver from fixer before disposal.			
	Significant B&W film/paper scrap or unexposed color scrap	Send scrap to silver reclaimer. Find ways to make less scrap. If dust is cause, fix A/C.			
Automatic Film Processor/Printer (B&W or color)	Chemicals replaced on a scheduled basis (e.g. once a week)	Use test strips to see when replacement really needed, or change to process that allows continuous addition of make-up chemicals.			
	Chemical addition points awkward or un-labeled; no instruction sheet	Prevent spills by using funnels, and wrong additions by following labels & instructions. Only let trained staff handle chemicals. Use gloves.			
	Spent solutions put down drain	Recover silver from fixer before disposal - use canisters of steel wool, ion exchange units, or electrolytic systems.			

Printing Industry
Pollution Prevention Checklist

Name of Business	
Address	
Site ID #	SIC Code
Business Volume	Volume of Waste
Type of Printing	

In This Area/Job Task	If You Find This	Suggest This	Currently Doing This	Could Be Implemented	Does Not Apply
Material Handling and Storage	Damaged or open containers	Keep containers closed and replace damaged containers.			
	Deteriorating materials or several partially used containers	Control inventory by properly labeling and dating containers. Periodically inspect inventory and order only that amount which is needed.			
	Large inventories of raw materials	Suggest ordering materials on a "just in time" basis to minimize spoilage. Use first-in first-out inventory control.			
	Heavy traffic through storage area or un-protected inventory	Controlling traffic and access to prevent damage to raw material.			
	Paper stored in un-controlled environment	Suggest storage of paper in humidity and temperature-controlled area to minimize deterioration.			
Image Processing	Photocopy being prepared by traditional photomechanical processes	Suggest converting to an electronic pre-press system.			
	Wastestreams containing silver	Recover silver on-site from photoprocessing wastestreams.			
	Excessive use of photoprocessing chemicals	Reuse photoprocessing chemicals and add chemicals (e.g. ammonium thiosulfate and acetic acid) to extend the life of fixing baths.			
	Single pass-through rinsing	Use countercurrent rinsing techniques.			
Plate Processing	Disposal of spent baths (etching and plating)	Recover metals from solution or recapture spent solutions for reuse.			
	Manual replenishment of developer/finisher	Install an automatic replenishment system for developer/finisher.			
	Use of solvent-based developers.	Evaluate water-based development systems.			
	Disposal of spent plates	Recycle spent plates.			

Construction Industry
Pollution Prevention Checklist

Name of Business

Address

Site ID #

SIC Code

Types of Waste

Volume of Waste

Description of Site

In This Area/Job Task	If You Find This	Suggest This	Currently Doing This	Could Be Implemented	Does Not Apply
Material Storage Area	Exposed containers	Installation of a covered and bermed storage area.			
	Damaged or open containers	Keep containers closed and replace damaged containers.			
	Deteriorating materials or several partially used containers	Control inventory by properly labeling and dating containers. Periodically inspect inventory and order only that amount which is needed.			
Job-Site	Mixed waste	Segregate wastes to allow better reuse and recycle of materials. Keep hazardous waste separated from non-hazardous waste, and segregate other waste by recycle category.			
	Scattered debris	Collect and properly store debris to prevent contact with stormwater or other further contamination.			
	Exposed dumpsters	Cover dumpsters to prevent stormwater runoff and blowing of dust.			
	Contaminated soil	Sample and analyze soil for possible contamination. Properly dispose of soil if contaminated.			
	Oily rags	Launder and reuse rags with off-site laundary vendor.			
Site Clearing and Excavation	Exposed soil during rainfall	Use dikes, ditches, and hay bales to prevent soil erosion. Plant vegetation on exposed areas.			
	Use of Herbicides	Use non-toxic alternative.			
	Use of preservative-treated wood	Suggest contractor get architect's approval to use less toxic alternative.			
Concrete Work	Use of waterproofing material containing chlorinated solvents (e.g. MEK)	Use alternative petroleum based sealers or plastic panels with adhesive.			
Structure Work	Use of sealants, adhesives, and caulkings	Suggest contractor get architect's approval to use less toxic alternative.			

Drycleaning Industry
Pollution Prevention Checklist

Name of Business	
Address	
Site ID #	**SIC Code**
Business Volume __________ lbs of clothing/week	**Volume of Waste**
Solvent Used ☐ PERC ☐ Other (specify:______________________________)	

In This Area/Job Task	If You Find This	Suggest This	Currently Doing This	Could Be Implemented	Does Not Apply
Material Storage Area	Damaged or open containers	Keep containers closed and replace damaged containers.			
	Deteriorating materials or several partially used containers	Control inventory by properly labeling and dating containers. Periodically inspect inventory and order only that amount which is needed.			
Solvent Use	Dry-to-dry non-vented system in use	Install a carbon adsorption unit to reclaim solvent from air emissions. Use a condenser to recovery solvent removed from carbon adsorbers.			
	Off-site disposal of spent solvent	Install an on-site solvent recovery distillation system.			
	Spent cartridges disposed with solvent left in them	Allow filters to drain of solvent for 12 hours in an enclosed container. Use steam stripping to remove solvent.			
Drycleaning Equipment	Use of older transfer ("wet-to-dry") machines	Replace equipment with dry-to-dry equipment. Convert wet-to-dry to transfer type. Add carbon adsorbers, steam stripping, and condensers to recover solvent.			
Wastewater Discharge	Discharge of untreated wastewater to the sewer	Install a separator and/or carbon adsorption unit to remove solvents before discharge. Recover solvents by steam stripping and condensing.			
General Housekeeping and Operating Practices	Excessive opening of equipment which releases vapors	Keep doors closed as much as possible to minimize loss of solvent vapors. Install an exhaust fan and carbon adsorber to turn on and recover vapors when doors are opened.			
	Disposal of wet still bottoms and other sludges	"Re-cook" sludges to remove excessive solvents and recover.			
	Indication of poor maintenance	Routinely check for solvent leaks in hose connections, couplings, and valves. Check door and filter cartridge gaskets and seating, baffle assemblies, and air relief valves for proper condition and functioning.			
General	Excessive drycleaning of cotton materials	Consider laundering instead of drycleaning.			

Rev. April 1994

Robert R. Ledesma
Program Administrator

Arthur L. Gillespie
Fire Chief

GILROY FIRE DEPARTMENT
Building, Life, and Environmental Safety Division
Chemical Control
7351 Rosanna Street
Gilroy, CA 95020

Telephone: (408) 848-0430 FAX: (408) 842-2409

GREASE REMOVAL REPORT

Business name:______________________ Reporting month:__________

Address:______________________ Reporting year:__________

City:______________________ Zip:__________

- -

Size of interceptor:____________________ (lbs/gallons)

Serviced by:____________________

Number of times serviced:______________

Disposal site:____________________

Manifest(s): yes - no (circle one)

Pounds/gallons removed:______________

DECLARATION: I certify that the above information is correct and true to the best of my knowledge.

Name:__________________________ Title:________________
(please print)

Signature:__________________________ Date:________________

KM:12/94C:\WPWIN60\WPDOCS\GREASE.FOR

GREASE REMOVAL LETTERS

Pizza N Stuff
150-B Leavesley Road
Gilroy

Stop N Shop Market
150-A Leavesley Road
Gilroy

Round Table Pizza
815 First Street
Gilroy

Singleton's Market
95 Fourth Street
Gilroy

Pap's Hecker Pass Liquor & Deli
221 First Street
Gilroy

Longhouse Restaurant
8195 Monterey Street
Gilroy

Denny's Restaurant
8425 San Ysidro
Gilroy

Lyons Restaurant
395 Leavesley Road
Gilroy

Kentucky Fried Chicken
8295 Monterey Street
Gilroy

Wendy's Hamburgers
393 Tenth Street
Gilroy

Gaeta's Taqueria
353 Tenth Street #I-2
Gilroy

Mountain Mike's Pizza
433 First Street
Gilroy

O'Henry's Donuts
401 Tenth Street
Gilroy

Foster's Freeze
7880 Monterey Street
Gilroy

Mi Taqueria
611 First Street
Gilroy

Super Taqueria
401 Tenth Street #4
Gilroy

Gilroy Cafe
8225 Arroyo Circle
Gilroy

Golden West Restaurant
840 Pacheco Pass Highway
Gilroy

Gilroy Inn
7001 Monterey Street
Gilroy

China Best Restaurant
1160 First Street
Gilroy

Victoria's Mexican Restaurant
757 First Street
Gilroy

Chevy's
8440 Murray Avenue
Gilroy

Wellington Fish & Chips
648 Chestnut Street
Gilroy

Jack In The Box
795 Monterey Street
Gilroy

Alamo Food Service
600 Silacci Way
Gilroy

Dragon Phoenix Restaurant
721 Monterey Street
Gilroy

Chopstix Chinese Restaurant
55 First Street
Gilroy

Domino's Pizza
823 First Street
Gilroy

FW Marketplace
20 E. Tenth Street
Gilroy

Gavilan Restaurant
620 Monterey Street
Gilroy

EG. Catering Trucks
95 Mayock #D13
Gilroy

McDonalds Restaurant
890 Chestnut STreet
Gilroy

Not Just Yogurt
840 First Street
Gilroy

Garcia's Restaurant
7275 Monterey Street
Gilroy

El 7 Mares Restaurant
7820 Monterey Street
Gilroy

Taco Bell
8060 Wren Avenue
Gilroy

Taco Bell
380 Tenth Street
Gilroy

The Sports Connection
1300 First Street
Gilroy

La Flor De Jalisco
144 Lewis Street
Gilroy

McDonald's
797 First Street
Gilroy

Aztlan Bakery & Deli
7419 Monterey Street
Gilroy

Joe's Italian Restaurant
1360 First Street
Gilroy

St. Mary Parish
11 First Street
Gilroy

Sydran Food Serv. DBA: Burger King
450 Leavesley Road
Gilroy

uper Save Market
11 First Street
Gilroy

Hermanos Restaurant
01 Monterey Street
Gilroy

ama's 2 for 1 Pizza
01 Westwood Drive #G
Gilroy

USD Central Kitchen
743 Hanna Street
Gilroy

utchman's Pizza
40 Chestnut Street
Gilroy

raw Hat Pizza
53 First Street
Gilroy

allarta's Mexican Seafood
0 E. Tenth Street
Gilroy

amboo Village
45 Wren Avenue
Gilroy

izza Hut #758687
71 First Street
Gilroy

D's Kitchen
Martin Street
Gilroy

afeway Store #311
45 First Street
Gilroy

Luckie's Chinese Restaurant
7760-B Monterey Street
Gilroy

Pizza Cove
303 First Street
Gilroy

Winchell's Donut
705 First Street
Gilroy

El Paisano Restaurant
7484 Monterey Street
Gilroy

Best Burgers
915 First Street
Gilroy

Moon's Kitchen
1340 First Street #A
Gilroy

McDonald's Of Gilroy At The Outlets
8390 Arroyo Circle
Gilroy

Leyon Restaurant
7347 Monterey Street
Gilroy

Erik's Delicafe
8300-320 Arroyo Circle
Gilroy

Gilroy Bowl
7554 Monterey Street
Gilroy

Cielito Lindo Restaurant
7460 Monterey Street
Gilroy

Baha Ranch Burger
10 W. Seventh Street
Gilroy

Pink Elephant Bakery
340 E. Tenth Street
Gilroy

Fong's Chinese Restaurant
7433 Monterey Street
Gilroy

Little Caesars Pizza Int.
1340 First Street
Gilroy

Togo's
1331 First Street
Gilroy

Dragon Phoenix Restaurant
7121 Motnerey Street
Gilroy

Royal Donuts & Deli
168 W. Tenth Street
Gilroy

Kacey Jones
8337 Church Street
Gilroy

Tres Ms
7610 Monterey Street
Gilroy

Chubby's Diner #189
340 E. Tenth Street
Gilroy

Station 55 of Gilroy
55 Fifth Street
Gilroy

La Rosa Bakery
7435 Monterey Street
Gilroy

Erik's Delicafe Marketplace
681 Leavesley Road #170
Gilroy

Old City Hall Restaurant
7400 Monterey Street
Gilroy

Canton Express
340 E. Tenth Street #G
Gilroy

5th Street Creamery
20 W. Fifth Street
Gilroy

Taqueria Rancho Viejo
7574 Monterey Street
Gilroy

Las Palmas
7793 Wren Avenue
Gilroy

Apatzigan Meat Market
7237 Monterey Street
Gilroy

In N Out Burgers
641 Leavesley Road
Gilroy

Harvest Time Restaurant
7397 Monterey Street
Gilroy

D & D Pizza
353 E. Tenth Street #I-1
Gilroy

Saint Louise Health Center
18500 St. Louise Drive
Morgan Hill

Just Breakfast
17415 Monterey Road
Morgan Hill

Ernies Bar & Grill
[illegible]0140 Monterey Road
Morgan Hill

Taco Bell #1978
16900 Monterey Road
Morgan Hill

Moon's Kitchen
16985 Monterey Road
Morgan Hill

Donuts N Things
17698- A Monterey Road
Morgan Hill

Subway
15850 Monterey Road
Morgan Hill

McDonald's
[illegible]01 Vineyard Town Center Way
Morgan Hill

Salsa Taqueria, Inc.
16873 Monterey Road
Morgan Hill

Jack In The Box
17015 Condit Road
Morgan Hill

McDonald's
135 Cochrane Plaza
Morgan Hill

Erik's Delicafe
309 Vineyard Town Center Way
Morgan Hill

Marie Callender Pies
18599 Sutter Boulevard
Morgan Hill

Way Better Cafe
112 Cochrane Road
Morgan Hill

Halal Meat Market
82 E. Second Street
Morgan Hill

Jesus Mexican Restaurant
95 Third Street
Morgan Hill

La Morena Bakery
90 E. Second Street
Morgan Hill

Betsys Cafe
16180 Monterey Road
Morgan Hill

Morgan Hill Take Out Chinese Food
217 Tennant Station
Morgan Hill

Servo Foods
16100 Jacqueline Court
Morgan Hill

Peking Restaurant
92 E. Second Street
Morgan Hill

Touch of Class Cafe
409 Vineyard Town Center
Morgan Hill

Snowhite Drive Inn
16290 Monterey Road
Morgan Hill

La Palmas #1
411 Vineyard Town Center
Morgan Hill

O'Henry's Donuts
500 Vineyard Town Center
Morgan Hill

Pizza Hut
16375 Monterey Road
Morgan Hill

Stuft Pizza of Morgan Hill
301 Vineyard Town Center
Morgan Hill

Dom's Cafe
17910 Monterey Road
Morgan Hill

Pancho's Mexican Restaurant
16490 Monterey Road
Morgan Hill

The Good Food Company
~~17835 Montery Road~~ P.O. Box 1123
Morgan Hill 95038

China Palace
16715-C Monterey Road
Morgan Hill

Dari Delite Drive-In
17735 Monterey Road
Morgan Hill

Little Caesars
16999-H Monterey Road
Morgan Hill

Izakaya Japanese Restaurant
17415 Monterey Road
Morgan Hill

Sinaloa Cafe
19210 Monterey Road
Morgan Hill

Sizzler Santa Clara Inc.
15900 Monterey Road
Morgan Hill

Roundtable Pizza
16740 Monterey Road
Morgan Hill

Kentucky Fried Chicken
17050 Laurel
Morgan Hill

Morgan Hill Bakery
251 Vineyard Town Center
Morgan Hill

Culinary Express
17865 Monterey Road #H
Morgan Hill

Mushrooms Grille & Bar
65 W. Main Avenue
Morgan Hill

Golden China Restaurant
16965 Monterey Road
Morgan Hill

Burger King #2867
16025 Motnerey Road
Morgan Hill

Madrone Meat Market
19120 Monterey Road
Morgan Hill

Lombardo's Donuts
219 W. Main Avenue
Morgan Hill

Buon Gusto Italian Deli
17385 Monterey Road
Morgan Hill

Didomenico's Gourmet Pasta
195 San Pedro #C-12
Morgan Hill

Ida's
17320 Monterey Road
Morgan Hill

Togo's
16965 Monterey Road
Morgan Hill

Lyon's Restaurant
775 E. Dunne Avenue
Morgan Hill

Super Taqueria
15840 Monterey Road
Morgan Hill

Frank's Snack Bar
16100 Jacqueline Court
Morgan Hill

Betsy's Restaurant
650 Tennant Avenue
Morgan Hill

Flying Dragon Restaurant
17340 Monterey Road
Morgan Hill

Mountain Mike Pizza
195 Mast Street
Morgan Hill

Pink Elephant Bakery
16915 Monterey Road
Morgan Hill

Hiromi's Restaurant
35 E. Main
Morgan Hill

Golden House Chinese Food
233 A W. Main Avenue
Morgan Hill

Burger King #7928
830 W. Dunne Avenue
Morgan Hill

Wheat Valley Bakery
16860 Joleen Way
Morgan Hill

El Palacio Restaurant
17330 Monterey Road
Morgan Hill

Morgan's Mate
207 W. Main Avenue
Morgan Hill

Nonnos Take N Bake
435 Vineyard Town Center
Morgan Hill

Speros Courtyard Restaurant
19500 Monterey Road
Morgan Hill

Golden Oak Restaurant
16695 Condit Road
Morgan Hill

~~Grandma Aggies Famous Shortbread~~
~~17835 Monterey Road~~
~~Morgan Hill~~

Safeway Inc. #1455-11
840 E. Dunne Avenue
Morgan Hill

Papa Don's Pizzeria
15858 Monterey Road
Morgan Hill

La Dolce Vita
275 E. Dunne Avenue
Morgan Hill

Tio Felipe's Taqueria
16760 Monterey road
Morgan Hill

Casa Mia Ristorante Italiano
25 W. Main Avenue
Morgan Hill

El Capri
18625 Monterey Road
Morgan Hill

Star Food Service DBA Carl's Jr
16995 Condit Road
Morgan Hill

Friendly Fred's Hot Dogs
409 Tennant Avenue
Morgan Hill

Mezza Luna
17230 Monterey Road
Morgan Hill

Trail Dust Bar BQ Joint
16855 Monterey Road
Morgan Hill

Hilltop Market
16820 Jackson Oaks
Morgan Hill

Box Seat Sports Grill
15650 Vineyard
Morgan Hill

Rayford's Original Mississippi BBQ
17240 Monterey Road
Morgan Hill